



# Administrative Package Cover Page

**This file contains the following documents:**

1. Summary of application (in plain language)
    - English
    - Alternative Language (Spanish)
  2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
    - English
    - Alternative Language (Spanish)
  3. Application materials
- 



# Portada de Paquete Administrativo

**Este archivo contiene los siguientes documentos:**

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
  - Inglés
  - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original





## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Azteca Milling, L.P., (CN600127914) operates Edinburg Plant (RN103014783), a corn milling plant. The facility is located at 501 W. Chapin St., in Edinburg, Hidalgo County, Texas 78541. This application is for a renewal 300,000 gallons per day via irrigation of 165 acres of coastal Bermuda grass. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (BOD5), Nitrogen, Sodium, and Total Suspended Solids (TSS). Process wastewater from washing and cooking of whole corn combined with lime (calcium hydroxide) is treated by a system of hydra sieves for solids removal and/or are stored in two storage lagoons when conditions are not favorable for irrigation.

## PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

### AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

*El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.*

Azteca Milling, L.P. (CN600127914) opera Edinburg Plant (RN103014783), una planta de molienda de maíz. La instalación está ubicada en 501 W. Chapin St., en Edinburg, Condado de Hidalgo, Texas 78541. Esta solicitud es para la renovación 300,000 galones por día a través del riego del permiso para regar 165 acres de pasto Bermuda costero. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan Demanda Bioquímica de Oxígeno, Nitrógeno, Sodio y Sólidos Suspendidos Totales. Las aguas residuales del proceso de lavado y cocción del maíz entero combinadas con cal (hidróxido de calcio). está tratado por mediante un sistema de tamices hidráulicos para la eliminación de sólidos y/o se almacenan en dos lagunas de almacenamiento cuando las condiciones no son favorables para el riego.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT RENEWAL

PERMIT NO. WQ0002525000

**APPLICATION.** Azteca Milling, L.P., 501 West Chapin Street, Edinburg, Texas 78541, which owns a corn flour milling facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0002525000 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 300,000 gallons per day via irrigation of 165 acres of land. The facility and disposal area are located at 501 West Chapin Street, Edinburg, in Hidalgo County, Texas 78541. TCEQ received this application on December 27, 2024. The permit application will be available for viewing and copying at Dustin Michael Sekula Library, 1906 South Closner Boulevard, Edinburg, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.164444,26.316388&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

**ADDITIONAL NOTICE.** TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

**PUBLIC COMMENT / PUBLIC MEETING.** You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

**OPPORTUNITY FOR A CONTESTED CASE HEARING.** After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

**TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST:** your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.** TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

**MAILING LIST.** If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Search the database using the permit number for this application, which is provided at the top of this notice.

**AGENCY CONTACTS AND INFORMATION.** All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at [www.tceq.texas.gov/goto/pep](http://www.tceq.texas.gov/goto/pep). Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Azteca Milling, L.P. at the address stated above or by calling Mr. Francisco Barrera, Corn Operations Assistant Manager, at 956-383-9669 Extension 4669.

Issuance Date: January 31, 2025

# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA RENOVACION

**PERMISO NO. WQ0002525000**

**SOLICITUD.** Azteca Milling, L.P., 501 West Chapin Street, Edinburg, Texas 78541, que posee una planta de molienda de harina de maíz ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Texas Land Application Permit (TLAP) Permiso No. WQ0002525000 para autorizar la eliminación de las aguas residuales tratadas en un volumen que no sobrepasa de un flujo promedio diario de 300,000 galones por día a través de riego de 165 acres de terreno. La instalación y área de disposición está ubicada en 501 West Chapin Street, Edinburg, en el Condado de Hidalgo, Texas 78541. La TCEQ recibió esta solicitud el 27 de Diciembre de 2024. La solicitud para el permiso está disponible para leerla y copiarla en Dustin Michael Sekula Library, 1906 South Closner Boulevard, Edinburg, Texas. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.164444,26.316388&level=18>

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar **comentarios públicos o pedir una reunión pública sobre esta solicitud.** El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados**

por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

**PARA PEDIR UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO, USTED DEBE INCLUIR EN SU PEDIDO LOS SIGUIENTES DATOS:** su nombre; dirección; teléfono; nombre del solicitante y número del permiso; la ubicación y la distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; y la declaración "[Yo/nosotros] solicito/solicitamos un/a audiencia administrativa de lo contencioso". Si presenta por parte de un grupo o asociación el pedido para una audiencia administrativa de lo contencioso, debe identificar el nombre y la dirección de una persona que representa al grupo para recibir correspondencia en el futuro; debe identificar un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; debe proveer la información ya indicada anteriormente con respecto a la ubicación del miembro afectado y la distancia de la planta o actividad propuesta; debe explicar como y porqué el miembro sería afectado y como los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de los períodos para los pedidos y comentarios, el Director Ejecutivo enviará la solicitud y los pedidos para reconsideración o por una audiencia administrativa de lo contencioso a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

La Comisión otorgará solamente una audiencia administrativa de lo contencioso sobre los hechos reales disputados del caso que son pertinentes y esenciales para la decisión de la Comisión sobre la solicitud. Además, la Comisión sólo otorgará una audiencia administrativa de lo contencioso sobre los asuntos que fueron presentados antes del plazo de vencimiento y que no fueron retirados posteriormente. **Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**CONTACTOS E INFORMACIÓN DE LA TCEQ.** Todos los comentarios escritos del público y los pedidos para una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at [www.tceq.state.tx.us/about/comments.html](http://www.tceq.state.tx.us/about/comments.html). Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor

llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: [www.tceq.state.tx.us](http://www.tceq.state.tx.us).

También se puede obtener información adicional del Azteca Milling, L.P. a la dirección indicada arriba o llamando a Mr. Francisco Barrera al 956-383-9669 extensión 4669.

Fecha de emisión 31 de enero de 2025



## Abesha Michael

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**From:** Francisco Barrera <FRBARRERA@aztecamilling.com>  
**Sent:** Monday, January 20, 2025 8:20 AM  
**To:** Abesha Michael  
**Subject:** Re: Application to Renew Permit No. WQ0002525000 - Notice of Deficiency Letter  
**Attachments:** 661701-661715.pdf; AV18\_20250116\_144155.pdf; AV18\_20250116\_145558.pdf

Good afternoon Ms. Michael,

Attached are the requested documents in the specified formats. I have also included the 2024 Soil Sample Reports, which were inadvertently omitted from the previous set.

Thank you for your assistance with this application renewal.

Sincerely,

Francisco Barrera

Corn Operations Assistant Manager

Azteca Milling L.P.

Address: 501 W Chapin St, Edinburg, TX 78541

Phone: 956-383-9669

Extension: 4669



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**From:** Abesha Michael <Abesha.Michael@tceq.texas.gov>  
**Sent:** Thursday, January 16, 2025 9:39 AM  
**To:** Francisco Barrera <FRBARRERA@aztecamilling.com>  
**Subject:** RE: Application to Renew Permit No. WQ0002525000 - Notice of Deficiency Letter

You don't often get email from abesha.michael@tceq.texas.gov. [Learn why this is important](#)

**Attention:** This email originated outside of our organization. Exercise caution when clicking links or opening attachments. If you have any concerns, contact your IT Department

Good morning,

This is to remind you the NOD letter dated on January 2, 2025, that we won't receive the response yet. Please update and submit Item 9D on page 7 of the application.

Thank you,



Abesha H. Michael  
Applications Review & Processing Team  
Water Quality Division Support Section  
Water Quality Division, MC 148  
PO Box 13087  
Austin, Texas 78711  
Phone: o: 512-239-4912  
Email: [abesha.michael@tceq.texas.gov](mailto:abesha.michael@tceq.texas.gov)

**How is our customer service? Fill out our online customer satisfaction survey at**  
[www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

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**From:** Abesha Michael

**Sent:** Thursday, January 2, 2025 5:16 PM

**To:** [frbarrera@aztecamilling.com](mailto:frbarrera@aztecamilling.com)

**Cc:** [frbarrera@aztecamilling.com](mailto:frbarrera@aztecamilling.com)

**Subject:** Application to Renew Permit No. WQ0002525000 - Notice of Deficiency Letter

**ADD TO BODY OF EMAIL**

Dear Mr. Villarreal:

The attached Notice of Deficiency letter sent on January 2, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by January 16, 2025.

Thank you,



Abesha H. Michael  
Applications Review & Processing Team  
Water Quality Division Support Section  
Water Quality Division, MC 148  
PO Box 13087  
Austin, Texas 78711  
Phone: o: 512-239-4912  
Email: [abesha.michael@tceq.texas.gov](mailto:abesha.michael@tceq.texas.gov)

**How is our customer service? Fill out our online customer satisfaction survey at**  
**[www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)**

## Item 9. Notice Information (Instructions, Pages 28)

### a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com

### b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☒ E-mail: frbarrera@aztecamilling.com

☐ Fax: -

☐ Regular Mail (USPS)

Mailing Address: -

City/State/Zip Code: -

### c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com

### d. Public Viewing Location Information

**Note:** If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: - Location within the building: -

Physical Address of Building: -

City: - County: -

DUSTY MICHAEL SEFULA MEMORIAL LIBRARY  
19065 CLOSNER BLVD  
EDINBURG TX  
78539

### e. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

MIDALGO COUNTY



2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?  
☒ Yes ☐ No
3. Do the students at these schools attend a bilingual education program at another location?  
☐ Yes ☒ No
4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?  
☐ Yes ☒ No ☐ N/A
5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish
- f. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: I
- g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

## Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN103014783  
**Note:** If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.
- b. Name of project or site (the name known by the community where located): Edinburg Plant  
AZTECA MILLING
- c. Is the location address of the facility in the existing permit the same?  
☒ Yes ☐ No ☐ N/A (new permit)  
**Note:** If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.
- d. Owner of treatment facility:  
Prefix: - Full Name (Last/First Name): -  
or Organization Name: Azteca Milling, L.P.  
Mailing Address: 501 W Chapin Street City/State/Zip: Edinburg, TX 78541  
Phone No: - 956-383-4911 Email: - frbarrera@aztecamilling.com
- e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal
- f. Owner of land where treatment facility is or will be: Azteca Milling, L.P.  
Prefix: - Full Name (Last/First Name): -  
or Organization Name: Azteca Milling, L.P.



# Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
(979)321-5960

Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County

Laboratory Number: 661701

Customer Sample ID: Field 1 0-6

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	511	(-)	umho/cm	Slight					CL*		Fertilizer Recommended
Nitrate-N	34	(-)	ppm**								30 lbs N/acre
Phosphorus	340	(50)	ppm								0 lbs P2O5/acre
Potassium	684	(150)	ppm								0 lbs K2O/acre
Calcium	30,526	(180)	ppm								0 lbs Ca/acre
Magnesium	433	(50)	ppm								0 lbs Mg/acre
Sulfur	517	(13)	ppm								0 lbs S/acre
Sodium	208	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		6.6					
				Conductivity		3.57 mmhos/cm					
				Sodium		177 ppm			7.704 meq/L		
				Potassium		175 ppm			4.477 meq/L		
				Calcium		477 ppm			23.820 meq/L		
				Magnesium		49 ppm			4.022 meq/L		
				SAR		2.06					
Ammonium-N	4.5		ppm	SSP		19.25					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
<http://soiltesting.tamu.edu>



# Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
(979)321-5960

Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County  
Laboratory Number: 661702  
Customer Sample ID: Field 1 6-18

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	302	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	7	(-)	ppm**								85 lbs N/acre
Phosphorus	120	(50)	ppm								0 lbs P2O5/acre
Potassium	1069	(150)	ppm								0 lbs K2O/acre
Calcium	17,638	(180)	ppm								0 lbs Ca/acre
Magnesium	436	(50)	ppm								0 lbs Mg/acre
Sulfur	278	(13)	ppm								0 lbs S/acre
Sodium	170	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		7.0					
				Conductivity		1.55 mmhos/cm					
				Sodium		153 ppm			6.679 meq/L		
				Potassium		110 ppm			2.809 meq/L		
				Calcium		138 ppm			6.876 meq/L		
				Magnesium		24 ppm			1.990 meq/L		
				SAR		3.17					
Ammonium-N	4.9		ppm	SSP		36.39					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
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## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
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Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County

Laboratory Number: 661703

Customer Sample ID: Field 1 18-30

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	306	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	6	(-)	ppm**							85 lbs N/acre	
Phosphorus	60	(50)	ppm							0 lbs P2O5/acre	
Potassium	995	(150)	ppm							0 lbs K20/acre	
Calcium	14,205	(180)	ppm							0 lbs Ca/acre	
Magnesium	445	(50)	ppm							0 lbs Mg/acre	
Sulfur	206	(13)	ppm							0 lbs S/acre	
Sodium	181	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		7.1					
				Conductivity		1.33 mmhos/cm					
				Sodium		141 ppm		6.151 meq/L			
				Potassium		83 ppm		2.129 meq/L			
				Calcium		76 ppm		3.770 meq/L			
				Magnesium		16 ppm		1.301 meq/L			
				SAR		3.86					
Ammonium-N	6.0		ppm	SSP		46.07					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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## Soil Analysis Report

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College Station, TX 77843-2478  
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Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Hidalgo County  
Laboratory Number: 661704  
Customer Sample ID: Field 2 0-6

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(5.8)	-	Mod. Alkaline							
Conductivity	350	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	36	(-)	ppm**								25 lbs N/acre
Phosphorus	316	(50)	ppm								0 lbs P2O5/acre
Potassium	660	(150)	ppm								0 lbs K2O/acre
Calcium	29,499	(180)	ppm								0 lbs Ca/acre
Magnesium	395	(50)	ppm								0 lbs Mg/acre
Sulfur	486	(13)	ppm								0 lbs S/acre
Sodium	185	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		6.6					
				Conductivity		3.45 mmhos/cm					
				Sodium		157 ppm					6.848 meq/L
				Potassium		155 ppm					3.964 meq/L
				Calcium		358 ppm					17.877 meq/L
				Magnesium		37 ppm					3.006 meq/L
				SAR		2.12					
Ammonium-N	9.3		ppm	SSP		21.61					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
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Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Hidalgo County  
Laboratory Number: 661705  
Customer Sample ID: Field 2 6-18

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

## Soil Analysis Report

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Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	344	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	13	(-)	ppm**	<div><div></div></div>							70 lbs N/acre
Phosphorus	184	(50)	ppm	<div><div></div></div>							0 lbs P2O5/acre
Potassium	985	(150)	ppm	<div><div></div></div>							0 lbs K2O/acre
Calcium	20,683	(180)	ppm	<div><div></div></div>							0 lbs Ca/acre
Magnesium	425	(50)	ppm	<div><div></div></div>							0 lbs Mg/acre
Sulfur	339	(13)	ppm	<div><div></div></div>							0 lbs S/acre
Sodium	188	(-)	ppm	<div><div></div></div>							
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH			7.0				
				Conductivity			1.63 mmhos/cm				
				Sodium			158 ppm		6.861 meq/L		
				Potassium			110 ppm		2.815 meq/L		
				Calcium			142 ppm		7.063 meq/L		
				Magnesium			24 ppm		1.948 meq/L		
				SAR			3.23				
Ammonium-N	3.5		ppm	SSP			36.72				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

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Report generated for:  
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Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Hidalgo County  
Laboratory Number: 661706  
Customer Sample ID: Field 2 18-30

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	349	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	8	(-)	ppm**							80 lbs N/acre	
Phosphorus	63	(50)	ppm							0 lbs P2O5/acre	
Potassium	1025	(150)	ppm							0 lbs K2O/acre	
Calcium	15,422	(180)	ppm							0 lbs Ca/acre	
Magnesium	428	(50)	ppm							0 lbs Mg/acre	
Sulfur	224	(13)	ppm							0 lbs S/acre	
Sodium	198	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		7.1					
				Conductivity		1.46 mmhos/cm					
				Sodium		167 ppm		7.256 meq/L			
				Potassium		88 ppm		2.238 meq/L			
				Calcium		81 ppm		4.048 meq/L			
				Magnesium		16 ppm		1.320 meq/L			
				SAR		4.43					
Ammonium-N	6.3		ppm	SSP		48.82					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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Report generated for:  
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Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Hidalgo County  
Laboratory Number: 661707  
Customer Sample ID: Field 3 0-6

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.
pH	8.1	(5.8)	-	Mod. Alkaline						
Conductivity	419	(-)	umho/cm	None						
Nitrate-N	39	(-)	ppm**	CL*						
Phosphorus	317	(50)	ppm	Fertilizer Recommended						
Potassium	839	(150)	ppm	20 lbs N/acre						
Calcium	28,008	(180)	ppm	0 lbs P2O5/acre						
Magnesium	424	(50)	ppm	0 lbs K20/acre						
Sulfur	469	(13)	ppm	0 lbs Ca/acre						
Sodium	182	(-)	ppm	0 lbs Mg/acre						
Iron				0 lbs S/acre						
Zinc										
Manganese										
Copper										
Boron										
Limestone Requirement										0.00 tons 100ECCE/acre
				Detailed Salinity Test (Saturated Paste Extract)						
				pH 6.9						
				Conductivity 2.70 mmhos/cm						
				Sodium 163 ppm 7.085 meq/L						
				Potassium 165 ppm 4.221 meq/L						
				Calcium 361 ppm 17.990 meq/L						
				Magnesium 41 ppm 3.343 meq/L						
				SAR 2.17						
Ammonium-N	8.7		ppm	SSP 21.71						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

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Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Hidalgo County  
Laboratory Number: 661708  
Customer Sample ID: Field 3 6-18

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

## Soil Analysis Report

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College Station, TX 77843-2478  
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Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.
pH	8.1	(5.8)	-	Mod. Alkaline						
Conductivity	312	(-)	umho/cm	None						
Nitrate-N	17	(-)	ppm**	CL* Fertilizer Recommended						
Phosphorus	99	(50)	ppm	65 lbs N/acre						
Potassium	1006	(150)	ppm	0 lbs P2O5/acre						
Calcium	12,107	(180)	ppm	0 lbs K20/acre						
Magnesium	385	(50)	ppm	0 lbs Ca/acre						
Sulfur	213	(13)	ppm	0 lbs Mg/acre						
Sodium	185	(-)	ppm	0 lbs S/acre						
Iron										
Zinc										
Manganese										
Copper										
Boron										
Limestone Requirement										0.00 tons 100ECCE/acre
				Detailed Salinity Test (Saturated Paste Extract)						
				pH			7.0			
				Conductivity			1.42 mmhos/cm			
				Sodium			153 ppm		6.641 meq/L	
				Potassium			97 ppm		2.490 meq/L	
				Calcium			111 ppm		5.542 meq/L	
				Magnesium			18 ppm		1.448 meq/L	
				SAR			3.55			
Ammonium-N	2.6		ppm	SSP			41.19			

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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# Soil Analysis Report

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Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Hidalgo County  
Laboratory Number: 661709  
Customer Sample ID: Field 3 18-30

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(5.8)	-	Mod. Alkaline							
Conductivity	372	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	13	(-)	ppm**	<div><div></div></div>							70 lbs N/acre
Phosphorus	44	(50)	ppm	<div><div></div></div>							15 lbs P2O5/acre
Potassium	969	(150)	ppm	<div><div></div></div>							0 lbs K2O/acre
Calcium	7,364	(180)	ppm	<div><div></div></div>							0 lbs Ca/acre
Magnesium	459	(50)	ppm	<div><div></div></div>							0 lbs Mg/acre
Sulfur	152	(13)	ppm	<div><div></div></div>							0 lbs S/acre
Sodium	212	(-)	ppm	<div><div></div></div>							
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH			7.1				
				Conductivity			1.57 mmhos/cm				
				Sodium			163 ppm		7.088 meq/L		
				Potassium			75 ppm		1.923 meq/L		
				Calcium			81 ppm		4.056 meq/L		
				Magnesium			18 ppm		1.477 meq/L		
				SAR			4.26				
Ammonium-N	3.5		ppm	SSP			48.73				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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# Soil Analysis Report

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Report generated for:  
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Cesar Villarreal  
501 West Chapin Road  
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Hidalgo County  
Laboratory Number: 661710  
Customer Sample ID: Field 4 0-6

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 27 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.2	(5.8)	-	Mod. Alkaline							
Conductivity	382	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	17	(-)	ppm**							65 lbs N/acre	
Phosphorus	247	(50)	ppm							0 lbs P2O5/acre	
Potassium	819	(150)	ppm							0 lbs K2O/acre	
Calcium	24,305	(180)	ppm							0 lbs Ca/acre	
Magnesium	396	(50)	ppm							0 lbs Mg/acre	
Sulfur	403	(13)	ppm							0 lbs S/acre	
Sodium	171	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH			6.6				
				Conductivity			2.82 mmhos/cm				
				Sodium			158 ppm		6.866 meq/L		
				Potassium			127 ppm		3.247 meq/L		
				Calcium			367 ppm		18.324 meq/L		
				Magnesium			38 ppm		3.088 meq/L		
				SAR			2.10				
Ammonium-N	1.0		ppm	SSP			21.78				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

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# Soil Analysis Report

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Cesar Villarreal  
501 West Chapin Road  
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Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 27 acres

Hidalgo County  
Laboratory Number: 661711  
Customer Sample ID: Field 4 6-18

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.
pH	8.2	(5.8)	-	Mod. Alkaline						
Conductivity	341	(-)	umho/cm	None						
Nitrate-N	4	(-)	ppm**	Fertilizer Recommended						
Phosphorus	55	(50)	ppm	90 lbs N/acre						
Potassium	921	(150)	ppm	0 lbs P2O5/acre						
Calcium	10,417	(180)	ppm	0 lbs K2O/acre						
Magnesium	384	(50)	ppm	0 lbs Ca/acre						
Sulfur	155	(13)	ppm	0 lbs Mg/acre						
Sodium	183	(-)	ppm	0 lbs S/acre						
Iron										
Zinc										
Manganese										
Copper										
Boron										
Limestone Requirement										0.00 tons 100ECCE/acre
Detailed Salinity Test (Saturated Paste Extract)										
pH 6.9										
Conductivity 1.43 mmhos/cm										
Sodium 155 ppm 6.751 meq/L										
Potassium 75 ppm 1.929 meq/L										
Calcium 108 ppm 5.374 meq/L										
Magnesium 17 ppm 1.357 meq/L										
SAR 3.68										
Ammonium-N	5.2		ppm	SSP 43.81						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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# Soil Analysis Report

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Report generated for:  
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Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

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Hidalgo County  
Laboratory Number: 661712  
Customer Sample ID: Field 4 18-30

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 27 acres

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(5.8)	-	Mod. Alkaline							
Conductivity	351	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	3	(-)	ppm**								90 lbs N/acre
Phosphorus	28	(50)	ppm								55 lbs P2O5/acre
Potassium	743	(150)	ppm								0 lbs K2O/acre
Calcium	16,537	(180)	ppm								0 lbs Ca/acre
Magnesium	401	(50)	ppm								0 lbs Mg/acre
Sulfur	210	(13)	ppm								0 lbs S/acre
Sodium	208	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		7.1					
				Conductivity		1.64 mmhos/cm					
				Sodium		186 ppm			8.100 meq/L		
				Potassium		63 ppm			1.610 meq/L		
				Calcium		101 ppm			5.059 meq/L		
				Magnesium		17 ppm			1.414 meq/L		
				SAR		4.50					
Ammonium-N	5.6		ppm	SSP		50.05					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
<http://soiltesting.tamu.edu>



## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
(979)321-5960

Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County

Laboratory Number: 661713

Customer Sample ID: Field 5 0-6

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.
pH	8.2	(5.8)	-	Mod. Alkaline						
Conductivity	367	(-)	umho/cm	None						
Nitrate-N	37	(-)	ppm**							
Phosphorus	327	(50)	ppm							
Potassium	658	(150)	ppm							
Calcium	26,812	(180)	ppm							
Magnesium	372	(50)	ppm							
Sulfur	448	(13)	ppm							
Sodium	157	(-)	ppm							
Iron										
Zinc										
Manganese										
Copper										
Boron										
Limestone Requirement										0.00 tons 100ECCE/acre
Detailed Salinity Test (Saturated Paste Extract)										
pH 6.7										
Conductivity 3.55 mmhos/cm										
Sodium 169 ppm 7.337 meq/L										
Potassium 178 ppm 4.547 meq/L										
Calcium 561 ppm 27.993 meq/L										
Magnesium 50 ppm 4.092 meq/L										
SAR 1.83										
Ammonium-N	26.7		ppm	SSP 16.69						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
<http://soiltesting.tamu.edu>



## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
(979)321-5960

Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County

Laboratory Number: 661714

Customer Sample ID: Field 5 6-18

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(5.8)	-	Mod. Alkaline							
Conductivity	198	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	6	(-)	ppm**	<div><div></div></div>							85 lbs N/acre
Phosphorus	28	(50)	ppm	<div><div></div></div>							50 lbs P2O5/acre
Potassium	745	(150)	ppm	<div><div></div></div>							0 lbs K2O/acre
Calcium	7,465	(180)	ppm	<div><div></div></div>							0 lbs Ca/acre
Magnesium	431	(50)	ppm	<div><div></div></div>							0 lbs Mg/acre
Sulfur	107	(13)	ppm	<div><div></div></div>							0 lbs S/acre
Sodium	149	(-)	ppm	<div><div></div></div>							
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		7.1					
				Conductivity		1.03 mmhos/cm					
				Sodium		123 ppm					5.368 meq/L
				Potassium		68 ppm					1.743 meq/L
				Calcium		66 ppm					3.301 meq/L
				Magnesium		14 ppm					1.111 meq/L
				SAR		3.61					
Ammonium-N	6.0		ppm	SSP		46.59					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
<http://soiltesting.tamu.edu>



# Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
(979)321-5960

Report generated for:  
Azteca Milling, L.P./PO #4501212619/5500000000664  
Cesar Villarreal  
501 West Chapin Road  
EDINBURG, TX 78541

Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 6/4/2024  
Printed on: 6/11/2024  
Area Represented: 38 acres

Hidalgo County

Laboratory Number: 661715

Customer Sample ID: Field 5 18-30

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.1	(5.8)	-	Mod. Alkaline							
Conductivity	169	(-)	umho/cm	None					CL*		Fertilizer Recommended
Nitrate-N	8	(-)	ppm**							80 lbs N/acre	
Phosphorus	55	(50)	ppm							0 lbs P2O5/acre	
Potassium	788	(150)	ppm							0 lbs K20/acre	
Calcium	6,874	(180)	ppm							0 lbs Ca/acre	
Magnesium	355	(50)	ppm							0 lbs Mg/acre	
Sulfur	117	(13)	ppm							0 lbs S/acre	
Sodium	112	(-)	ppm								
Iron											
Zinc											
Manganese											
Copper											
Boron											
Limestone Requirement										0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)							
				pH		6.8					
				Conductivity		1.38 mmhos/cm					
				Sodium		118 ppm		5.132 meq/L			
				Potassium		73 ppm		1.865 meq/L			
				Calcium		105 ppm		5.247 meq/L			
				Magnesium		20 ppm		1.634 meq/L			
				SAR		2.77					
Ammonium-N	2.8		ppm	SSP		36.98					

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

Online fertilizer calculators to determine appropriate fertilizers and application rates.  
<http://soiltesting.tamu.edu>



# TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600127914		RN 103014783

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)		
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>				
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
Azteca Milling LP				
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)	
0009104610	3203630611	74-2795097	874253891	
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited		
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual		
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:		
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>		
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant				
<b>15. Mailing Address:</b>				
501 W Chapin St				
City	Edinburg	State	TX	ZIP 78539 ZIP + 4 2412
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)		
		frbarrera@aztecamilling.com		
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)

**SECTION III: Regulated Entity Information****21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

*The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).*

**22. Regulated Entity Name** (Enter name of the site where the regulated action is taking place.)

Azteca Milling

**23. Street Address of the Regulated Entity:**(No PO Boxes)

501 W Chapin St

City

Edinburg

State

TX

ZIP

78541

ZIP + 4

2412

**24. County**

If no Street Address is provided, fields 25-28 are required.

**25. Description to Physical Location:****26. Nearest City**

State

Nearest ZIP Code

*Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).*

**27. Latitude (N) In Decimal:****28. Longitude (W) In Decimal:**

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

**29. Primary SIC Code**

(4 digits)

**30. Secondary SIC Code**

(4 digits)

**31. Primary NAICS Code**

(5 or 6 digits)

**32. Secondary NAICS Code**

(5 or 6 digits)

**33. What is the Primary Business of this entity?** (Do not repeat the SIC or NAICS description.)**34. Mailing**

Address:

City

State

ZIP

ZIP + 4

**35. E-Mail Address:****36. Telephone Number****37. Extension or Code****38. Fax Number** (if applicable)

( ) -

( ) -

**39. TCEQ Programs and ID Numbers** Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Francisco Barrera			<b>41. Title:</b>	Corn Operations Assistant Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 956 ) 383-9669	4669	(   ) -	frbarrera@aztecamilling.com		

## **SECTION V: Authorized Signature**

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

<b>Company:</b>	Azteca Milling LP		<b>Job Title:</b>	Corn Operations Manager	
<b>Name (In Print):</b>	Cesar G. Villarreal			<b>Phone:</b>	( 956 ) 383- 4911
<b>Signature:</b>				<b>Date:</b>	12/19/2024



APPLICATION FOR RENEWAL OF TCEQ  
INDUSTRIAL WASTEWATER PERMIT NO. WQ0002525000  
AZTECA MILLING, L.P., EDINBURG PLANT  
EDINBURG, TEXAS



## Table of Contents

- 1.0 Administrative Report 1.0 – Industrial
- 2.0 Technical Report 1.0 – Industrial
- 3.0 Worksheet 3.0 – Land Disposal of Effluent
- 4.0 Worksheet 3.1 – Surface Land Disposal of Effluent

## Attachments

- A. Copy of Payment for Application Fee
- B. USGS Map – Facility Location
- C. Facility Map
- D. Flow Diagram
- E. Annual Cropping Plan
- F. Pollutant Analysis
- G. Engineering Report
- H. Core Data Form
- I. Plain Language Summary

Administrative Report 1.0

Industrial



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

**Complete and submit this checklist with the industrial wastewater permit application.**

APPLICANT NAME: Azteca Milling, L.P.

PERMIT NUMBER (If new, leave blank): WQ00 02525000

**Indicate if each of the following items is included in your application.**

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 8.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 9.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPIF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 10.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 11.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plain Language Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 1.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Site Drawing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_

Expiration Date \_\_\_\_\_ Region \_\_\_\_\_

Permit Number \_\_\_\_\_





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## INDUSTRIAL WASTEWATER PERMIT APPLICATION

### ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst<sup>1</sup>).

#### Item 1. Application Information and Fees (Instructions, Page 26)

- a. Complete each field with the requested information, if applicable.

Applicant Name: Azteca Milling, L.P.

Permit No.: WQ00002525000

EPA ID No.: TX0 (inactive)

Expiration Date: Current Industrial Wastewater Permit: July 1, 2025

- b. Check the box next to the appropriate authorization type.

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

- c. Check the box next to the appropriate facility status.

☒ Active

☐ Inactive

- d. Check the box next to the appropriate permit type.

☐ TPDES Permit

☒ TLAP

☐ TPDES with TLAP component

- e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes

☒ Renewal without changes

☐ Major amendment with renewal

☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

- f. If applying for an amendment or modification, describe the request: N/A

For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_

Expiration Date \_\_\_\_\_ Region \_\_\_\_\_

Permit Number \_\_\_\_\_

<sup>1</sup> [https://www.tceq.texas.gov/publications/search\\_forms.html](https://www.tceq.texas.gov/publications/search_forms.html)

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input checked="" type="checkbox"/> \$315	<input type="checkbox"/> \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$150
Major facility	N/A <sup>2</sup>	<input type="checkbox"/> \$2,050	<input type="checkbox"/> \$2,015	<input type="checkbox"/> \$450

h. Payment Information

***Mailed***

Check or money order No.: [Click to enter text.](#)

Check or money order amt.: [Click to enter text.](#)

Named printed on check or money order: [Click to enter text.](#)

***Epay***

Voucher number: 737141-2

Copy of voucher attachment: Attachment A

## Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600127914

**Note:** Locate the customer number using the TCEQ's Central Registry Customer Search<sup>3</sup>.

b. Legal name of the entity (applicant) applying for this permit: Azteca Milling, L.P.

**Note:** The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Cesar Villarreal

Title: Corn Operations Manager Credential: -

d. Will the applicant have overall financial responsibility for the facility?

☐ Yes ☒ No

<sup>2</sup> All facilities are designated as minors until formally classified as a major by EPA.

<sup>3</sup> <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

### Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: Click to enter text.

**Note:** The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNClick to enter text.

**Note:** Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Click to enter text.

Full Name (Last/First Name): Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

**Note:** The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

### Item 4. Core Data Form (Instructions, Pages 27)

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: H

### Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

a. ☒ Administrative Contact ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Cesar Villarreal

Title: Corn Operations Manager

Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9662

Email: frbarrera@aztecamilling.com

b. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager

Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com

Attachment: N/A

### Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9669 ext: 4669

Email: frbarrera@aztecamilling.com

b. Prefix: Mr. Full Name (Last/First Name): Cesar Villarreal

Title: Corn Operations Manager Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9662

Email: cgvillareal@aztecamilling.com

Attachment: N/A

### Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for permits **in effect on September 1 of each year**. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: N/A Full Name (Last/First Name): N/A

Title: Corporate Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 5601 Executive Drive Suite 800 City/State/Zip: Irving, TX 75038

Phone No: N/A

Email: N/A

### Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com



## Item 9. Notice Information (Instructions, Pages 28)

### a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com

### b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☒ E-mail: frbarrera@aztecamilling.com

☐ Fax: -

☐ Regular Mail (USPS)

Mailing Address: -

City/State/Zip Code: -

### c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Francisco Barrera

Title: Corn Operations Assistant Manager Credential: -

Organization Name: Azteca Milling, L.P.

Phone No: 956-383-9669 ext. 4669

Email: frbarrera@aztecamilling.com

### d. Public Viewing Location Information

**Note:** If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: - Location within the building: -

Physical Address of Building: -

City: - County: -

### e. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?  
☒ Yes ☐ No
3. Do the students at these schools attend a bilingual education program at another location?  
☐ Yes ☒ No
4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?  
☐ Yes ☒ No ☐ N/A
5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish
- f. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: I
- g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

## Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN103014783  
**Note:** If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.
- b. Name of project or site (the name known by the community where located): Edinburg Plant
- c. Is the location address of the facility in the existing permit the same?  
☒ Yes ☐ No ☐ N/A (new permit)  
**Note:** If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.
- d. Owner of treatment facility:  
 Prefix: - Full Name (Last/First Name): -  
 or Organization Name: Azteca Milling, L.P.  
 Mailing Address: 501 W Chapin Street City/State/Zip: Edinburg, TX 78541  
 Phone No: - Email: -
- e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal
- f. Owner of land where treatment facility is or will be: Azteca Milling, L.P.  
 Prefix: - Full Name (Last/First Name): -  
 or Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: -

Email: -

**Note:** If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: -

- g. Owner of effluent TLAP disposal site (if applicable): N/A

Prefix: - Full Name (Last/First Name): -

or Organization Name: Azteca Milling, L.P.

Mailing Address: 501 W Chapin Street

City/State/Zip: Edinburg, TX 78541

Phone No: -

Email: -

**Note:** If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

- h. Owner of sewage sludge disposal site (if applicable):

Prefix: - Full Name (Last/First Name): -

or Organization Name: -

Mailing Address: - City/State/Zip: -

Phone No: -

Email: -

**Note:** If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

## Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

- a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

- b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☒ Three-miles downstream information

☒ Applicant's property boundaries

☐ Treatment facility boundaries

☐ Labeled point(s) of discharge

☐ Highlighted discharge route(s)

☒ Effluent disposal site boundaries

☒ All wastewater ponds

☐ Sewage sludge disposal site

☐ New and future construction

Attachment: B

- c. Is the location of the sewage sludge disposal site in the existing permit accurate?

☒ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

- d. Are the point(s) of discharge in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

- e. Are the discharge route(s) in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: N/A

- f. City nearest the outfall(s): N/A

- g. County in which the outfalls(s) is/are located: N/A

- h. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If yes, indicate by a check mark if: ☐ Authorization granted ☐ Authorization pending

For new and amendment applications, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: N/A

For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

- i. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☒ Yes No or New Permit ☐ N/A

If no, or a new application, provide an accurate location description: N/A

- j. City nearest the disposal site: Edinburg

- k. County in which the disposal site is located: Hidalgo

- l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Raw wastewater is collected in a surge tank and screened to remove solids. Solids are given away as livestock feed. The wastewater is pumped to one of two holding ponds and then to the irrigation system.

- m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Edinburg East Main Central

## Item 12. Miscellaneous Information (Instructions, Page 33)

- a. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person: \_

- b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: \_

Total amount due: \_

- c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: \_

Amount due: \_

### Item 13. Signature Page (Instructions, Page 33)

Permit No: W00002525000

Applicant Name: Cesar Villarreal

Certification: I, Cesar Villarreal, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Cesar Villarreal

Signatory title: Corn Operations Manager

Signature: Cesar A Villarreal Date: 12/19/24  
(Use blue ink)

Subscribed and Sworn to before me by the said Cesar A. Villarreal  
on this 19<sup>th</sup> day of December, 2024.  
My commission expires on the 6<sup>th</sup> day of February, 2027.

Bertha L. Gonzalez  
Notary Public

Hidalgo  
County, Texas

**Note:** If co-applicants are necessary, each entity must submit an original separate signature page.



# WATER QUALITY PERMIT

## PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- Do not mail this form with the application form.
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

**Mail this form and the check or money order to:**

*BY REGULAR U.S. MAIL*

Texas Commission on Environmental Quality  
Financial Administration Division  
Cashier's Office, MC-214  
P.O. Box 13088  
Austin, Texas 78711-3088

*BY OVERNIGHT/EXPRESS MAIL*

Texas Commission on Environmental Quality  
Financial Administration Division  
Cashier's Office, MC-214  
12100 Park 35 Circle  
Austin, Texas 78753

**Fee Code:** WQP      **Permit No:** WQ000 [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

**5. APPLICATION INFORMATION**

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Attachment: [Click to enter text.](#)

**Staple Check or Money Order in This Space**



# INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of industrial wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305 by checking the box next to the item. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until all items below are addressed.

- ☒ Core Data Form (TCEQ Form No. 10400)  
*(Required for all applications types. Must be completed in its entirety and signed.  
Note: Form may be signed by applicant representative.)*
- ☒ Correct and Current Industrial Wastewater Permit Application Forms  
*(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)*
- ☒ Water Quality Permit Payment Submittal Form (Page 14)  
*(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)*
- ☒ 7.5 Minute USGS Quadrangle Topographic Map Attached  
*(Full-size map if seeking "New" permit.  
8 ½ x 11 acceptable for Renewals and Amendments.)*
- ☒ N/A ☐ Current/Non-Expired, Executed Lease Agreement or Easement Attached
- ☒ N/A ☐ Landowners Map  
*(See instructions for landowner requirements.)*

## Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

- ☒ N/A ☐ Landowners Cross Reference List  
*(See instructions for landowner requirements.)*
- ☒ N/A ☐ Landowners Labels or CD-RW attached  
*(See instructions for landowner requirements.)*
- ☒ Original signature per 30 TAC § 305.44 – Blue Ink Preferred  
*(If signature page is not signed by an elected official or principle executive officer,  
a copy of signature authority/delegation letter must be attached.)*
- ☒ Plain Language Summary

Technical Report 1.0

Industrial



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## INDUSTRIAL WASTEWATER PERMIT APPLICATION

### TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)<sup>1</sup> available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

**NOTE:** This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

### Item 1. Facility/Site Information (Instructions, Page 39)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Corn flour milling plant, SIC Code: 2041

- b. Describe all wastewater-generating processes at the facility.

Whole corn and lime are combined and cooked in water. The cooked corn is sent through a series of hydro-sieves. The wastewater extracted from this process is sent to an on-site treatment facility. Here, the wastewater goes through additional hydro-sieves to the storage ponds and is then pumped to a sprinkler irrigation system. The by-product is given away for use as livestock feed.

<sup>1</sup>

[https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES\\_industrial\\_wastewater\\_steps.html](https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html)

- c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

**Materials List**

Raw Materials	Intermediate Products	Final Products
Whole Food Grade Corn		Corn Flour
Lime		Wastewater
Water		Solids by-products

**Attachment:** N/A

- d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

**Attachment:** C

- e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If **yes**, provide background discussion: [Click to enter text.](#)

- f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: [FEMA Rate Map](#)

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: [Click to enter text.](#)

**Attachment:** [Click to enter text.](#)

- g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

- h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes      ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide an approximate date of application submittal to the USACE: [Click to enter text.](#)

## Item 2. Treatment System (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

The only treatment the effluent receives prior to discharge is screening through hydro-sieves.

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

**Attachment:** D

## Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☒ Yes      ☐ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

**Use Designation:** Indicate the use designation for each impoundment as Treatment (T), Disposal (D), Containment (C), or Evaporation (E).

**Associated Outfall Number:** Provide an outfall number if a discharge occurs or will occur.

**Liner Type:** Indicate the liner type as Compacted clay liner (C), In-situ clay liner (I), Synthetic/plastic/rubber liner (S), or Alternate liner (A). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

**Leak Detection System:** If any leak detection systems are in place/planned, enter Y for yes. Otherwise, enter N for no.

**Groundwater Monitoring Wells and Data:** If groundwater monitoring wells are in place/planned, enter Y for yes. Otherwise, enter N for no. Attach any existing groundwater monitoring data.

**Dimensions:** Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

**Compliance with 40 CFR Part 257, Subpart D:** If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter Y for yes. Otherwise, enter N for no.

**Date of Construction:** Enter the date construction of the impoundment commenced (mm/dd/yy).

#### Impoundment Information

Parameter	Pond # 1	Pond # 2	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	C	C		
Associated Outfall Number	NA	NA		
Liner Type (C) (I) (S) or (A)	S	S		
Alt. Liner Attachment Reference	-	-		
Leak Detection System, Y/N	N	N		
Groundwater Monitoring Wells, Y/N	N	N		
Groundwater Monitoring Data Attachment	-	-		
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	N	N		
Length (ft)	265	95		
Width (ft)	170	170		
Max Depth From Water Surface (ft), Not Including Freeboard	6.5	6.5		
Freeboard (ft)	2	2		
Surface Area (acres)	1.03	0.37		
Storage Capacity (gallons)	2,190,331	785,213		
40 CFR Part 257, Subpart D, Y/N	N	N		
Date of Construction	-	-		

**Attachment:** N/A

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

- b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes      ☐ No      ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes      ☐ No      ☐ Not yet designed

3. Groundwater impacts

☐ Yes      ☐ No      ☐ Not yet designed

**NOTE:** Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

**Attachment:** [Click to enter text.](#)

**For TLAP applications: Items 3.c – 3.e are not required,** continue to Item 4.

- c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

**Attachment:** [Click to enter text.](#)

- d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

**Attachment:** [Click to enter text.](#)

- e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

**Attachment:** [Click to enter text.](#)

## Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

**For TLAP applications:** Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).



**Outfall Longitude and Latitude**

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)

**Outfall Location Description**

Outfall No.	Location Description

**Description of Sampling Point(s) (if different from Outfall location)**

Outfall No.	Description of sampling point

**Outfall Flow Information – Permitted and Proposed**

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)

**Outfall Discharge – Method and Measurement**

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used

**Outfall Discharge – Flow Characteristics**

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)

Outfall Wastestream Contributions

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment: [Click to enter text.](#)

## Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

- ☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Discharge once-through cooling water

**NOTE:** If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 is required.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

**Attachment:** [Click to enter text.](#)

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

**Cooling Towers and Boilers**

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers			
Boilers			

## Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

- ☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: [Click to enter text.](#)

## Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

**Domestic Sewage** - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
- ☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.
  - ☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.
  - ☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.
  - ☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.
  - ☐ Facility is a POTW. Complete Worksheet 5.0.
  - ☐ Domestic sewage is not generated on-site.
  - ☒ Other (e.g., portable toilets), specify and Complete Item 7.b: Facility is connected to a wastewater treatment plant permitted to received domestic sewage.
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

### Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
City of Edinburg	WQ0010503-002
	TX0024112

## Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
- ☐ Yes ☒ No
- b. Has the permittee completed or planned for any improvements or construction projects?
- ☐ Yes ☒ No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: [Click to enter text.](#)

## Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: [Click to enter text.](#)

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** [Click to enter text.](#)

## Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

**Attachment:** [Click to enter text.](#)

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

**Attachment:** [Click to enter text.](#)

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application is required.

## Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

**Radioactive Materials Mined, Used, Stored, or Processed**

Radioactive Material Name	Concentration (pCi/L)

- b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

**Radioactive Materials Present in the Discharge**

Radioactive Material Name	Concentration (pCi/L)

**Item 12. Cooling Water (Instructions, Page 46)**

- a. Does the facility use or propose to use water for cooling purposes?

- ☐ Yes  
☒ No  
☐ Decommissioned: [Click to enter text.](#)  
☐ To Be Decommissioned: [Click to enter text.](#)

If **yes**, complete Items 12.b thru 12.f. If **no**, stop here.

If **decommissioned**, provide the date operation ceased and stop here.

If to **be decommissioned**, provide the date operation is anticipated to cease and stop here.

- b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ No ☐ Yes; PWS No.: [Click to enter text.](#)

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here.

3. Cooling water is/will be obtained from a reclaimed water source?

☐ No ☐ Yes; Auth No.: [Click to enter text.](#)

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here.

4. Cooling water is/will be obtained from an Independent Supplier

☐ No ☐ Yes; AIF: [Click to enter text.](#)

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS(s) is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No. Explanation: [Click to enter text.](#)

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.



- e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses/proposes to use cooling towers.**

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)-(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by *40 CFR § 125.86(c)*.

**Attachment:** [Click to enter text.](#)

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

- ☐ Track I – Not a fixed facility
  - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).
- ☐ Track II – Fixed facility
  - Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: [Click to enter text.](#)

## Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes      ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

[Click to enter text.](#)

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes      ☒ No

If **yes**, list and describe each change individually.

[Click to enter text.](#)

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes      ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

## Item 14. Laboratory Accreditation (Instructions, Page 49)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

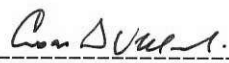
The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

### CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Cesar Villareal

Title: Corn Operations Manager

Signature: 

Date: 12/19/24

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet **is required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

### Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

☐ Yes ☒ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

#### 40 CFR Effluent Guideline

Industry	40 CFR Part

### Item 2. Production/Process Data (Instructions, Page 54)

**NOTE:** For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

#### a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

#### Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units

**b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)**

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by *40 CFR Part 414, Appendices A and B*.

**Percentage of Total Production**

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide

**c. Refineries (40 CFR Part 419)**

Provide the applicable subcategory and a brief justification.

Click to enter text.

**Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)**

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

Click to enter text.

## Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced

## Worksheet 3.0

### Land Disposal of Effluent

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet **is required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

## Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Irrigation   | <input type="checkbox"/> Subsurface application                               |
| <input type="checkbox"/> Evaporation             | <input type="checkbox"/> Subsurface soils absorption                          |
| <input type="checkbox"/> Evapotranspiration beds | <input type="checkbox"/> Surface application                                  |
| <input type="checkbox"/> Drip irrigation system  | <input type="checkbox"/> Other, specify: <a href="#">Click to enter text.</a> |

## Item 2. Land Application Area (Instructions, Page 69)

### Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
300,000 (daily avg)	165	crop land - coastal bermuda grass	N

## Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated



Attachment:

## Item 4. Well and Map Information (Instructions, Page 70)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map: N/A

- ☐ The exact boundaries of the land application area
- ☐ On-site buildings
- ☐ Waste-disposal or treatment facilities
- ☐ Effluent storage and tailwater control facilities
- ☐ Buffer zones
- ☐ All surface waters in the state onsite and within 500 feet of the property boundaries
- ☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries
- ☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: [Click to enter text.](#)

- b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice

Attachment: [Click to enter text.](#)

- c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes ☐ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: [Click to enter text.](#)

- d. Attach a short groundwater technical report using *30 TAC § 309.20(a)(4)* as guidance.

Attachment:

## Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- a. ☒ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- b. ☒ Breakdown of acreage and percent of total acreage for each soil type.
- c. ☒ Copies of laboratory soil analyses. **Attachment: E**

## Item 6. Effluent Monitoring Data (Instructions, Page 72)

- a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: **Edinburg Plant**      Samples are (check one): ☐ Composite    ☒ Grab

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
01/2023	260,149	1,380	603	11.9	1.78	156	0.159
02/2023	184,446	1,530	363	8.1	1.91	159	0.100
03/2023	184,405	2,080	365	8.5	1.60	166	0.106
04/2023	155,243	3,650	1,520	9.7	1.84	160	0.089
05/2023	235,994	3,020	684	9.3	2.35	166	0.135
06/2023	262,178	1,960	380	8.2	2.21	164	0.147
07/2023	276,568	1,300	509	11.8	2.45	172	0.153
08/2023	183,279	427	676	10.6	2.22	167	0.104
09/2023	170,920	3,810	710	17.1	1.72	165	0.095
10/2023	194,246	1,490	1,230	10	1.86	185	0.100
11/2023	208,638	2,190	198	10.6	2.18	163	0.118
12/2023	201,721	1,610	712	9.3	3.39	168	0.114
01/2024	184,313	1,420	490	22.1	2.23	188	0.093
02/2024	193,982	2,280	816	9.9	1.99	187	0.092
03/2024	172,962	1,690	308	8.8	2.35	198	0.083
04/2024	199,802	1,700	760	4.4	2.02	181	0.102
05/2024	189,243	2,310	625	6.3	2.24	183	0.098
06/2024	202,464	3,360	2,690	10.1	1.60	188	0.099
07/2024	189,057	3,860	515	14.4	3.15	148	0.122
08/2024	159,442	4,960	969	2.1	2.52	128	0.119
09/2024	216,624	6,440	1,900	12.7	2.43	155	0.129

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
10/2024	239,222	5,100	2,740	9.2	-	162	0.140
11/2024	236,652	2,420	467	8.8	-	157	0.139

- b. Use this table to provide effluent analysis for parameters regulated in the current permit which are not listed in Table 14.

**Additional Parameter Effluent Analysis**

Date (mo/yr)	Sodium Absorption Ratio (SAR)	pH (S.U.)					
01/2023	2.17	11.13					
02/2023	N/A	11.09					
03/2023	2.2	11.35					
04/2023	N/A	11.65					
05/2023	N/A	11.61					
06/2023	4.55	11.04					
07/2023	N/A	11.67					
08/2023	N/A	11.50					
09/2023	1.94	11.07					
10/2023	N/A	11.15					
11/2023	N/A	11.23					
12/2023	1.46	11.56					
01/2024	N/A	11.24					
02/2024	N/A	11.35					
03/2024	2.0	11.74					
04/2024	N/A	11.35					
05/2024	N/A	11.49					
06/2024	2.22	11.04					
07/2024	N/A	11.74					
08/2024	N/A	11.53					
09/2024	4.95	11.24					
10/2024	N/A	11.35					
11/2024	N/A	11.64					

- c. Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken. **Attachment:** N/A

## Item 7. Pollutant Analysis (Instructions, Page 72)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 10/16/2024-11/06/2024
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Complete Tables 15 and 16.

Table 15 for Outfall No.: **Edinburg Plant**      Samples are (check one): ☐ Composite    ☒ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	4480	8700	8040	6780
CBOD (5-day)	4650	7100	7030	6940
Chemical oxygen demand	10500	14700	11400	11200
Total organic carbon	14.2	<0.500	16.9	505
Dissolved oxygen	0.54	0.57	0.69	1.5
Ammonia nitrogen	9.10	7.01	6.69	7.30
Total suspended solids	2560	16500	8180	5140
Nitrate nitrogen	0.13	0.19	0.284	0.431
Total organic nitrogen	10.10	17.39	37.21	24.00
Total phosphorus	21.2	38.0	22.9	31.1
Oil and grease	7.47	<4.55	7.93	9.09
Total residual chlorine	<0.05	<0.05	<0.05	<0.05
Total dissolved solids	7790	15400	9210	8800
Sulfate	433	282	326	310
Chloride	241	251	228	211
Fluoride	53.1	5.25	5.42	<0.5
Total alkalinity (mg/L as CaCO <sub>3</sub> )	1470	1160	826	962
Temperature (°F)	125.6	138.2	134.6	136.4
pH (standard units)	11	11	11	11

Table 16 for Outfall No.: **Edinburg Plant**      Samples are (check one): ☐ Composite    ☒ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	3050	5030	373	2900	2.5
Antimony, total	<3.76	<18.8	3.13	<18.8	5
Arsenic, total	2.42	8.03	2.73	2.08	0.5
Barium, total	134	180	202	122	3

<b>Pollutant</b>	<b>Sample 1 (µg/L)</b>	<b>Sample 2 (µg/L)</b>	<b>Sample 3 (µg/L)</b>	<b>Sample 4 (µg/L)</b>	<b>MAL (µg/L)</b>
Beryllium, total	<1	0.56	<0.5	<0.695	0.5
Cadmium, total	4.54	1.24	<0.5	0.933	1
Chromium, total	17.7	40.9	5.7	18	3
Chromium, hexavalent	<15	<15	<15	<3	3
Chromium, trivalent	2.7	25.9	<15	15	N/A
Copper, total	46.9	70.22.08	107	62.9	2
Cyanide, available	<5	<5	<5	<5	2/10
Lead, total	3.29	<5	0.812	2.12	0.5
Mercury, total	0.00532	0.00532	0.00532	0.00532	0.005/0.0005
Nickel, total	18.3	31.1	17	10.7	2
Selenium, total	2.29	<3.64	<2	<10	5
Silver, total	<1	<0.314	<0.2	<1.13	0.5
Thallium, total	<1	<5	<0.5	<2.5	0.5
Zinc, total	423	314	80.9	132	5.0

## Worksheet 3.1

### Surface Land Disposal of Effluent

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

## Item 1. Edwards Aquifer (Instructions, Page 73)

a. Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☒ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b and 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

**Attachment:** [Click to enter text.](#)

## Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): 165

Design application rate (acre-ft/acre/yr): 4

Design application frequency (hours/day): 8

Design application frequency (days/week): 7

Design total nitrogen loading rate (lbs nitrogen/acre/year): 0.027

Average slope of the application area (percent): 0-1

Maximum slope of the application area (percent): 1

Irrigation efficiency (percent): 85

Effluent conductivity (mmhos/cm): 9

Soil conductivity (mmhos/cm): N/A

Curve number: N/A

Describe the application method and equipment: wheeled sprinkler

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** [G](#)

### Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: [N/A](#) gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** [Click to enter text.](#)

### Item 4. Evapotranspiration Beds (Instructions, Page 74)

- a. Provide the following information on the evapotranspiration beds:
- Number of beds: [N/A](#)
- Area of bed(s) (acres): [N/A](#)
- Depth of bed(s) (feet): [N/A](#)
- Void ratio of soil in the beds: [N/A](#)
- Storage volume within the beds (include units): [N/A](#)
- Description of any lining to protect groundwater: [N/A](#)
- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** [Click to enter text.](#)
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** [Click to enter text.](#)

### Item 5. Overland Flow (Instructions, Page 74)

- a. Provide the following information on the overland flow:
- Area used for application (acres): [N/A](#)
- Slopes for application area (percent): [N/A](#)
- Design application rate (gpm/foot of slope width): [N/A](#)
- Slope length (feet): [N/A](#)
- Design BOD5 loading rate (lbs BOD5/acre/day): [N/A](#)
- Design application frequency (hours/day): [N/A](#)
- Design application frequency (days/week): [N/A](#)
- b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC § 217.212. **Attachment:** [Click to enter text.](#)



## TCEQ ePay Receipt

### Transaction Information

**Trace Number:** 582EA000640074  
**Date:** 12/19/2024 08:47 AM  
**Payment Method:** CC - Authorization 0000266249  
**ePay Actor:** FRANCISCO BARRERA  
**TCEQ Amount:** \$315.00  
**Texas.gov Price::** \$322.34\*

\* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

### Payment Contact Information

**Name:** FRANCISCO BARRERA  
**Company:** AZTECA MILLING  
**Address:** 501 W CHAPIN, EDINBURG, TX 78541  
**Phone:** 956-641-2569

### Cart Items

Voucher	Fee Description	AR Number	Amount
737141	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL		\$300.00
737142	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
<b>TCEQ Amount:</b>			<b>\$315.00</b>

## TCEQ ePay Voucher Receipt

### Transaction Information

<b>Voucher Number:</b>	737142
<b>Trace Number:</b>	582EA000640074
<b>Date:</b>	12/19/2024 08:47 AM
<b>Payment Method:</b>	CC - Authorization 0000266249
<b>Voucher Amount:</b>	\$15.00
<b>Fee Type:</b>	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
<b>ePay Actor:</b>	FRANCISCO BARRERA

### Payment Contact Information

<b>Name:</b>	FRANCISCO BARRERA
<b>Company:</b>	AZTECA MILLING
<b>Address:</b>	501 W CHAPIN, EDINBURG, TX 78541
<b>Phone:</b>	956-641-2569

## TCEQ ePay Voucher Receipt

### Transaction Information

**Voucher Number:** 737141  
**Trace Number:** 582EA000640074  
**Date:** 12/19/2024 08:47 AM  
**Payment Method:** CC - Authorization 0000266249  
**Voucher Amount:** \$300.00  
**Fee Type:** WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL  
**ePay Actor:** FRANCISCO BARRERA

### Payment Contact Information

**Name:** FRANCISCO BARRERA  
**Company:** AZTECA MILLING  
**Address:** 501 W CHAPIN, EDINBURG, TX 78541  
**Phone:** 956-641-2569

### Site Information

**Site Name:** AZTECA MILLING LP  
**Site Address:** 501 W CHAPIN, EDINBURG, TX 78541  
**Site Location:** AZTECA MILLING EDINBURG FACILITY

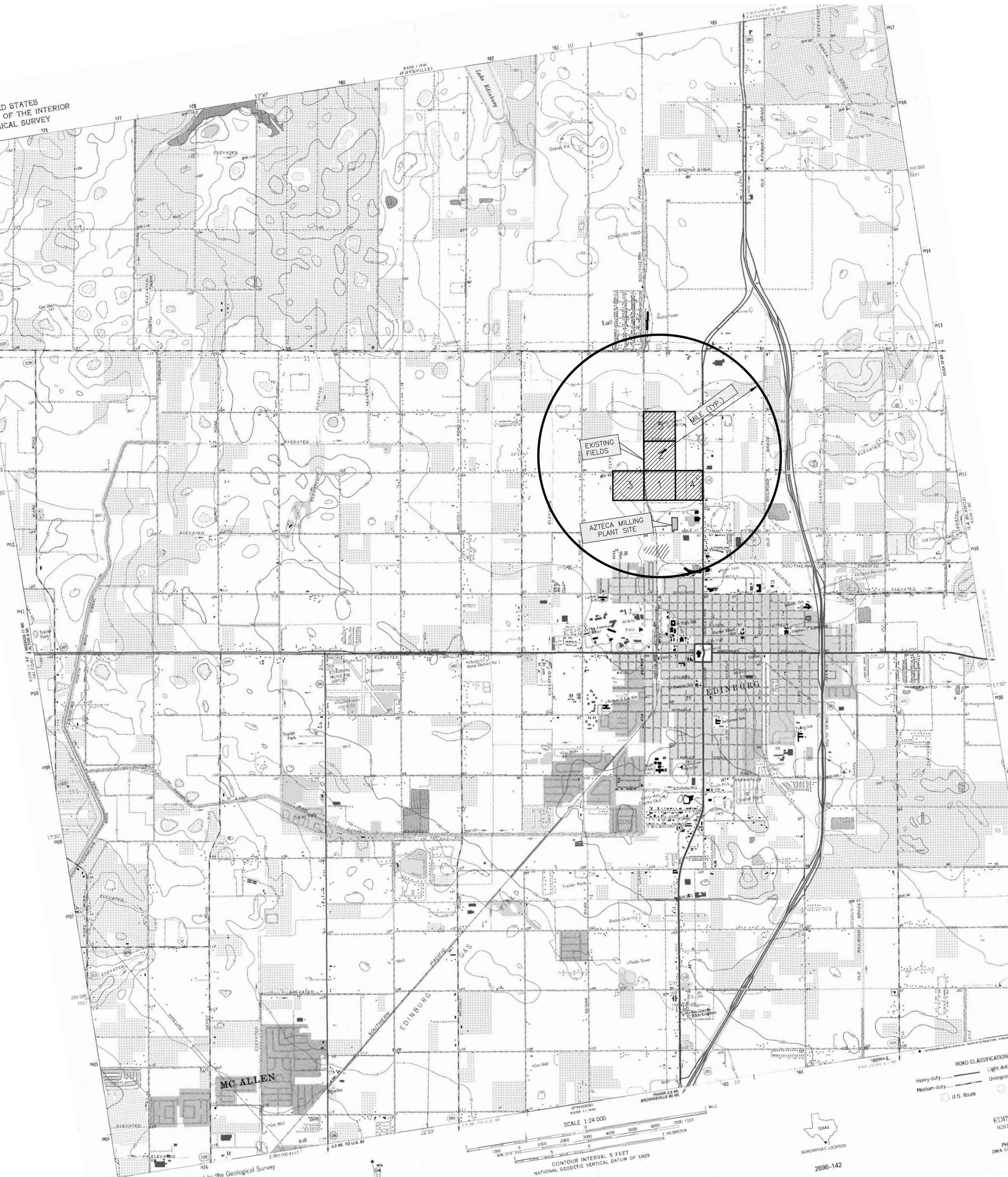
### Customer Information

**Customer Name:** AZTECA MILLING LP  
**Customer Address:** 501 W CHAPIN, EDINBURG, TX 78541

### Other Information

**Program Area ID:** 0002525000

Attachment B  
USGS Map – Facility Location



Maped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Planning by photogrammetric methods from aerial photographs  
taken 1961. Topography by photogrammetric surveys 1963  
Polyconic projection. 1927 North American Datum  
10,000-foot grid based on Texas coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks  
zone 14, shown in blue

UPM GRID AND 1983 MAGNETIC NORTH  
DECLINATION AT CENTER OF MAP  
Regions shown in purple and woodcock compiled from  
aerophotographs taken 1980 and other source data  
not checked. Map edited 1983

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

2696-142

Attachment C  
Facility Map



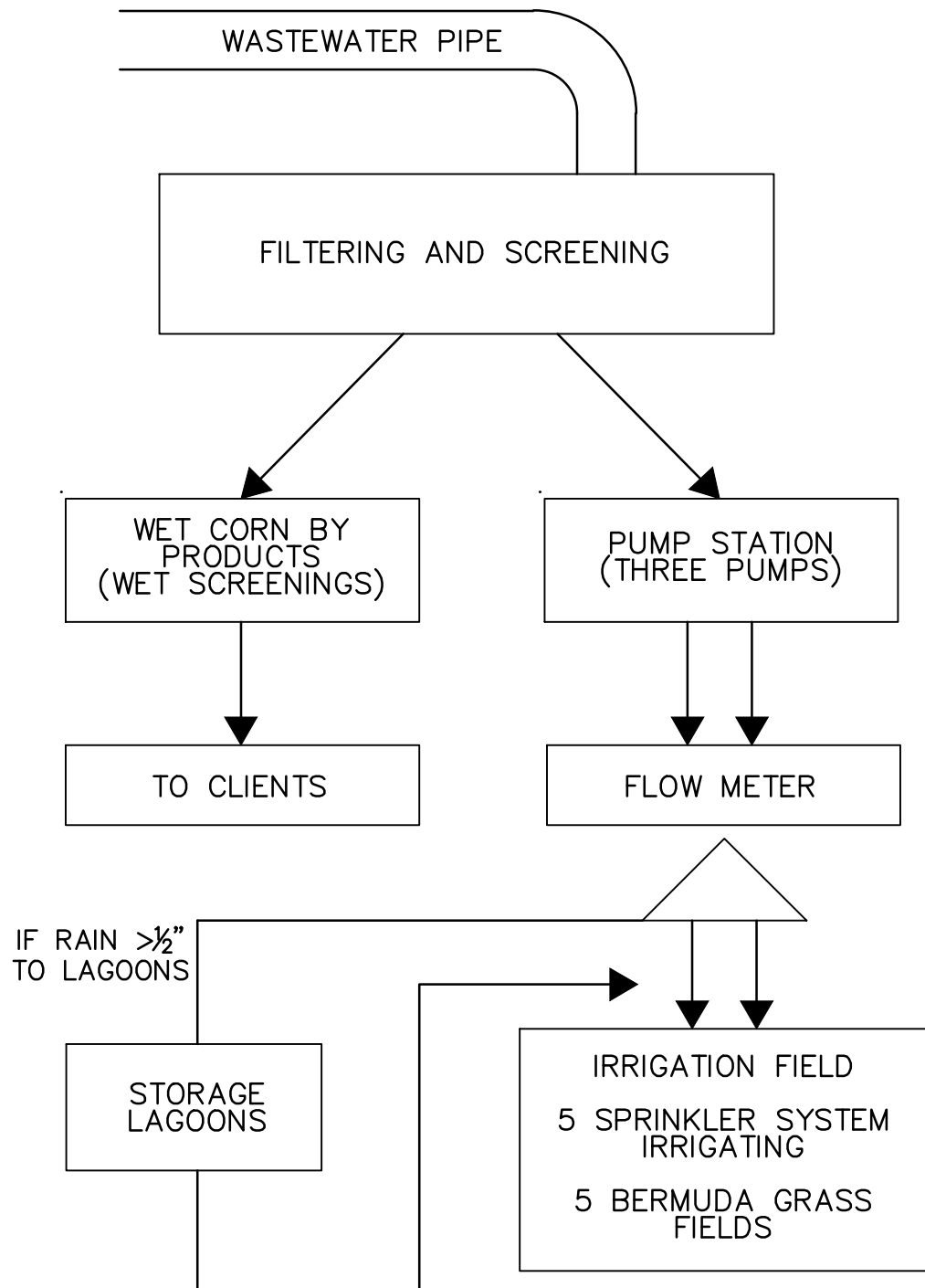
— PLANT BOUNDARY

EDINBURG, TEXAS  
AZTECA MILLING, L.P.  
PLANT SITE

FIGURE 2

Attachment D  
Flow Diagram





AZTECA MILLING, L.P.  
EDINBURG, TEXAS PLANT

## FLOW DIAGRAM

Attachment E  
Annual Cropping Plan

Attachment E  
Annual Cropping Plan

I am attaching documents that guarantee a cropping plan on an annual basis from 2024 crop 2023.

**1. - Soil Map (See Map) See Index 3**

	<u>Soil type No.</u>
Field No.1	#28
Field No.2	#28
Field No.3	#28
Field No.4	#28
Field No.5	#28, #52, #3

Description of type of soil

**No. 28** – Sandy Clay Loam, 0 to 1 % Slopes

**No. 3** - Fine Sandy Loam, 0 to 1 % Slopes

**No. 52** - Clay Loam, 0 to 1 % Slopes

**2. - 165 acres of Bermuda grass.**

**3. - All year.**

**4. - Results obtained from .Soil, water and forage testing laboratory  
AgriLife Extension Texas A & M System See Index 4**

**5. - A determination of a supplemental watering requirement can be derived using the upper daily limit for effluent irrigation application, total acres and yearly average precipitation. This model will assume that the upper limit is applied each day and that the average rainfall is received on the total area in the land application are.**

Upper daily wastewater limit:	300,000 gal.
Land application area:	165 acres
Average rainfall:	16.99 inches

300,000 gpd x 365 days = 109'500,000 gal / year  
 109;500,000 gal / year = 336 acre feet per year  
 336 ac/feet/year/165 acres = 2.03 acre feet / acre year (24.36''of effluent water/year)

Supplemental water requirement model	Supplemental Water Requirement actual
Effluent water/year .....24.36''	Inches of Water req. to produce 1 Ton.... 12.7'' <sup>1</sup>
Total Rain Fall..... 20.91'' <sup>2</sup>	Average Ton/Ac produced..... 6.66
Total.....45.27''	Total Water req..... 84.58 ''

<sup>1</sup> See Index 5

<sup>2</sup> See Index 8

**6. -** Salt Tolerance of each crop **See Supported Document Index 5**

**7. -** The harvest is carried out using specialized machines for this type of work. When the grass has reached a height of about 18'' to 22'' , the grass cutter is then started, this is conducted using two different types of specialized machines, and one does the small hay bales, which weights approximately 45 lbs. The other machine does the big as well as the round hay bales which weight approximately 750 lbs. each. Once 26 to 32 days have passed after its previous cutting, it is then cut again and the Entire process is started as described above.

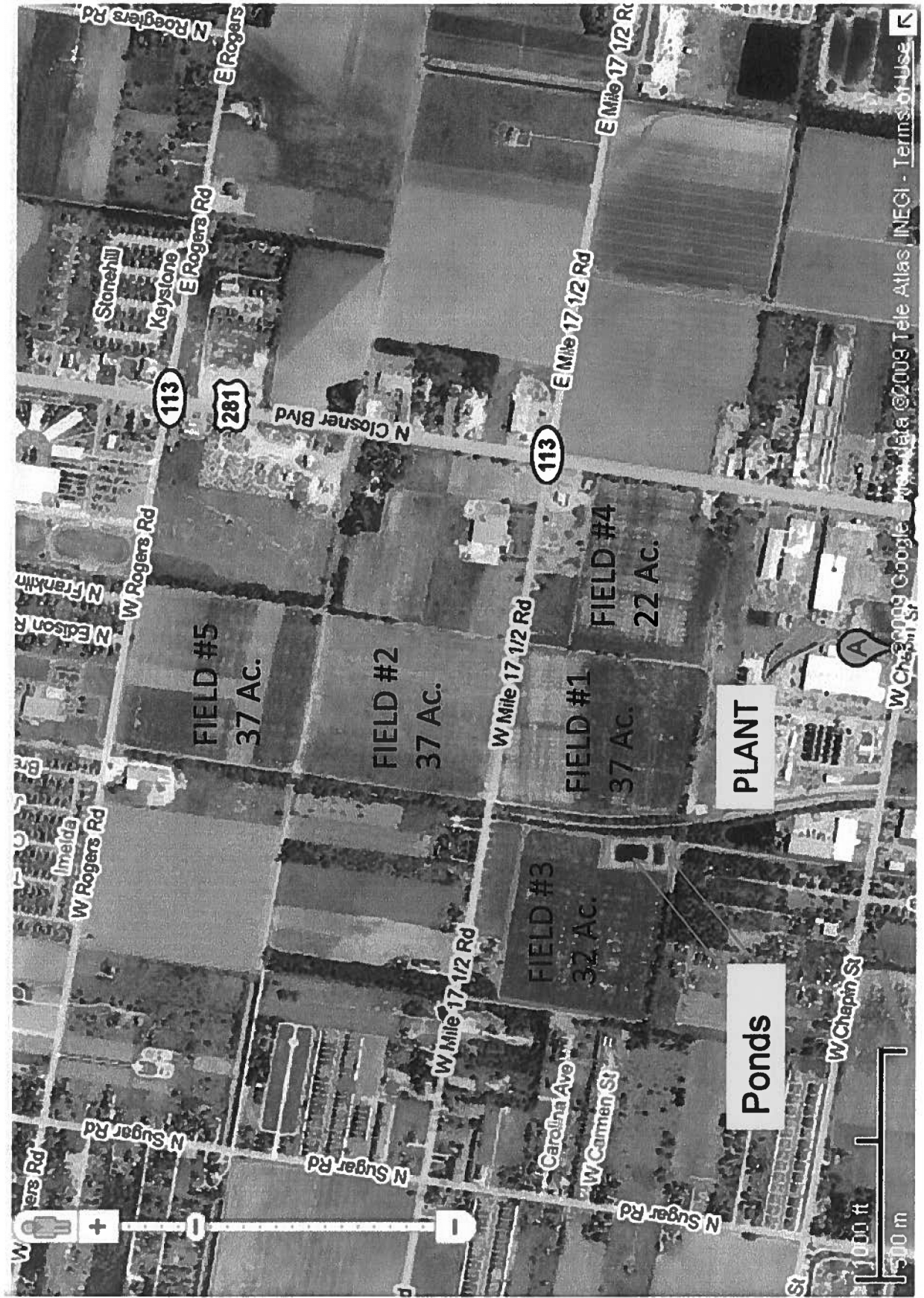
**8. -** The number of harvests per year depends how often it rain in the year, the 2023 year We had 6 times average per field, and we have only one crop.

**See Index 6**

“Hay production 2023”

## **INDEX 3**

# FIELDS MAP AZTECA MILLING L.P., EDINBURG TX



# FIELD MAP AZTECA MILLING L.P., EDINBURG TX (SOIL MAP)





## INDEX 4



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633251  
Customer Sample ID: Field 1 0-6

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.5	(5.8)	-	Mod. Alkaline								
Conductivity	236	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	29	(-)	ppm**	<div><div></div></div>								40 lbs N/acre
Phosphorus	324	(50)	ppm	<div><div></div></div>								0 lbs P2O5/acre
Potassium	472	(150)	ppm	<div><div></div></div>								0 lbs K20/acre
Calcium	30,013	(180)	ppm	<div><div></div></div>								0 lbs Ca/acre
Magnesium	399	(50)	ppm	<div><div></div></div>								0 lbs Mg/acre
Sulfur	506	(13)	ppm	<div><div></div></div>								0 lbs S/acre
Sodium	158	(-)	ppm	<div><div></div></div>								
Iron				<div><div></div></div>								
Zinc				<div><div></div></div>								
Manganese				<div><div></div></div>								
Copper				<div><div></div></div>								
Boron				<div><div></div></div>								
Limestone Requirement										0.00	tons 100ECCE/acre	
Detailed Salinity Test (Saturated Paste Extract)												
pH				7.3								
Conductivity				2.34 mmhos/cm								
Sodium				94 ppm 4.082 meq/L								
Potassium				100 ppm 2.547 meq/L								
Calcium				169 ppm 8.411 meq/L								
Magnesium				24 ppm 1.998 meq/L								
SAR				1.79								
Ammonium-N	16.5		ppm	SSP				23.96				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633252  
 Customer Sample ID: Field1 6-18

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.6	(5.8)	-	Mod. Alkaline								
Conductivity	157	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	4	(-)	ppm**								90 lbs N/acre	
Phosphorus	110	(50)	ppm								0 lbs P2O5/acre	
Potassium	924	(150)	ppm								0 lbs K20/acre	
Calcium	15,906	(180)	ppm								0 lbs Ca/acre	
Magnesium	382	(50)	ppm								0 lbs Mg/acre	
Sulfur	254	(13)	ppm								0 lbs S/acre	
Sodium	167	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)								
				pH				7.2				
				Conductivity				1.58 mmhos/cm				
				Sodium				108 ppm 4.709 meq/L				
				Potassium				77 ppm 1.978 meq/L				
				Calcium				88 ppm 4.393 meq/L				
				Magnesium				16 ppm 1.280 meq/L				
				SAR				2.80				
Ammonium-N	9.3		ppm	SSP				38.10				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633253  
 Customer Sample ID: Field 1 18-30

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.6	(5.8)	-	Mod. Alkaline								
Conductivity	228	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	3	(-)	ppm**									90 lbs N/acre
Phosphorus	52	(50)	ppm									0 lbs P2O5/acre
Potassium	992	(150)	ppm									0 lbs K2O/acre
Calcium	11,722	(180)	ppm									0 lbs Ca/acre
Magnesium	402	(50)	ppm									0 lbs Mg/acre
Sulfur	186	(13)	ppm									0 lbs S/acre
Sodium	194	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 tons 100ECCE/acre
				Detailed Salinity Test (Saturated Paste Extract)								
				pH		7.4						
				Conductivity		1.47 mmhos/cm						
				Sodium		126 ppm						5.471 meq/L
				Potassium		72 ppm						1.835 meq/L
				Calcium		51 ppm						2.520 meq/L
				Magnesium		12 ppm						1.013 meq/L
				SAR		4.12						
Ammonium-N	5.3		ppm	SSP		50.47						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633254  
Customer Sample ID: Field 2 0-6

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.6	(5.8)	-	Mod. Alkaline								
Conductivity	220	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	26	(-)	ppm**	<div><div></div></div>								45 lbs N/acre
Phosphorus	340	(50)	ppm	<div><div></div></div>								0 lbs P2O5/acre
Potassium	530	(150)	ppm	<div><div></div></div>								0 lbs K20/acre
Calcium	29,450	(180)	ppm	<div><div></div></div>								0 lbs Ca/acre
Magnesium	397	(50)	ppm	<div><div></div></div>								0 lbs Mg/acre
Sulfur	489	(13)	ppm	<div><div></div></div>								0 lbs S/acre
Sodium	144	(-)	ppm	<div><div></div></div>								
Iron				<div><div></div></div>								
Zinc				<div><div></div></div>								
Manganese				<div><div></div></div>								
Copper				<div><div></div></div>								
Boron				<div><div></div></div>								
Limestone Requirement											0.00 tons 100ECCE/acre	
Detailed Salinity Test (Saturated Paste Extract)												
pH				7.4								
Conductivity				2.16 mmhos/cm								
Sodium				88 ppm 3.815 meq/L								
Potassium				92 ppm 2.363 meq/L								
Calcium				139 ppm 6.917 meq/L								
Magnesium				21 ppm 1.727 meq/L								
SAR				1.83								
Ammonium-N	32.0		ppm	SSP				25.74				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633255  
 Customer Sample ID: Field 2 6-18

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.6	(5.8)	-	Mod. Alkaline								
Conductivity	134	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	6	(-)	ppm**								85 lbs N/acre	
Phosphorus	143	(50)	ppm								0 lbs P2O5/acre	
Potassium	897	(150)	ppm								0 lbs K20/acre	
Calcium	17,923	(180)	ppm								0 lbs Ca/acre	
Magnesium	402	(50)	ppm								0 lbs Mg/acre	
Sulfur	278	(13)	ppm								0 lbs S/acre	
Sodium	163	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
Detailed Salinity Test (Saturated Paste Extract)												
				pH		7.3						
				Conductivity		1.60		mmhos/cm				
				Sodium		105		ppm		4.579 meq/L		
				Potassium		67		ppm		1.712 meq/L		
				Calcium		55		ppm		2.761 meq/L		
				Magnesium		12		ppm		0.952 meq/L		
				SAR		3.36						
Ammonium-N	15.8		ppm	SSP		45.77						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633256  
 Customer Sample ID: Field 2 18-30

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.5	(5.8)	-	Mod. Alkaline								
Conductivity	132	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	4	(-)	ppm**								90 lbs N/acre	
Phosphorus	55	(50)	ppm								0 lbs P2O5/acre	
Potassium	946	(150)	ppm								0 lbs K2O/acre	
Calcium	13,820	(180)	ppm								0 lbs Ca/acre	
Magnesium	401	(50)	ppm								0 lbs Mg/acre	
Sulfur	190	(13)	ppm								0 lbs S/acre	
Sodium	181	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
Detailed Salinity Test (Saturated Paste Extract)												
pH				7.4								
Conductivity				1.72 mmhos/cm								
Sodium				126 ppm								
Potassium				72 ppm								
Calcium				49 ppm								
Magnesium				11 ppm								
SAR				4.22								
Ammonium-N	4.3		ppm	SSP				51.22				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633257  
Customer Sample ID: Field 3 0-6

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.	
pH	8.6	(5.8)	-	Mod. Alkaline							
Conductivity	360	(-)	umho/cm	None							Fertilizer Recommended
Nitrate-N	34	(-)	ppm**	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>





Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633258  
 Customer Sample ID: Field 3 6-18

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.6	(5.8)	-	Mod. Alkaline								
Conductivity	200	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	9	(-)	ppm**	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633259  
 Customer Sample ID: Field 3 13-30

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.5	(5.8)	-	Mod. Alkaline								
Conductivity	297	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	13	(-)	ppm**	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633261  
Customer Sample ID: Field 4 0-6

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 27 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.0	(5.8)	-	Mod. Alkaline								
Conductivity	121	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	30	(-)	ppm**	<div><div></div></div>								40 lbs N/acre
Phosphorus	283	(50)	ppm	<div><div></div></div>								0 lbs P2O5/acre
Potassium	721	(150)	ppm	<div><div></div></div>								0 lbs K20/acre
Calcium	24,538	(180)	ppm	<div><div></div></div>								0 lbs Ca/acre
Magnesium	396	(50)	ppm	<div><div></div></div>								0 lbs Mg/acre
Sulfur	359	(13)	ppm	<div><div></div></div>								0 lbs S/acre
Sodium	146	(-)	ppm	<div><div></div></div>								
Iron				<div><div></div></div>								
Zinc				<div><div></div></div>								
Manganese				<div><div></div></div>								
Copper				<div><div></div></div>								
Boron				<div><div></div></div>								
Limestone Requirement											0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)								
				pH		7.4						
				Conductivity		2.48 mmhos/cm						
				Sodium		101 ppm		4.374 meq/L				
				Potassium		97 ppm		2.487 meq/L				
				Calcium		157 ppm		7.821 meq/L				
				Magnesium		24 ppm		1.965 meq/L				
				SAR		1.98						
Ammonium-N	78.1		ppm	SSP		26.27						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633262  
 Customer Sample ID: Field 4 6-18

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 27 acres

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(5.8)	-	Mod. Alkaline								
Conductivity	129	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	4	(-)	ppm**									90 lbs N/acre
Phosphorus	43	(50)	ppm									15 lbs P2O5/acre
Potassium	817	(150)	ppm									0 lbs K2O/acre
Calcium	9,449	(180)	ppm									0 lbs Ca/acre
Magnesium	375	(50)	ppm									0 lbs Mg/acre
Sulfur	136	(13)	ppm									0 lbs S/acre
Sodium	181	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)								
				pH				7.2				
				Conductivity				1.50 mmhos/cm				
				Sodium				126 ppm 5.501 meq/L				
				Potassium				60 ppm 1.547 meq/L				
				Calcium				85 ppm 4.231 meq/L				
				Magnesium				15 ppm 1.242 meq/L				
				SAR				3.33				
Ammonium-N	5.8		ppm	SSP				43.94				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633263  
Customer Sample ID: Field 4 18-30

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 27 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(5.8)	-	Mod. Alkaline								
Conductivity	147	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	2	(-)	ppm**									95 lbs N/acre
Phosphorus	25	(50)	ppm									60 lbs P2O5/acre
Potassium	819	(150)	ppm									0 lbs K2O/acre
Calcium	15,539	(180)	ppm									0 lbs Ca/acre
Magnesium	413	(50)	ppm									0 lbs Mg/acre
Sulfur	189	(13)	ppm									0 lbs S/acre
Sodium	206	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement												0.00 tons 100ECCE/acre
				Detailed Salinity Test (Saturated Paste Extract)								
				pH		7.4						
				Conductivity		1.53 mmhos/cm						
				Sodium		131 ppm						5.703 meq/L
				Potassium		58 ppm						1.491 meq/L
				Calcium		53 ppm						2.642 meq/L
				Magnesium		12 ppm						1.011 meq/L
				SAR		4.22						
Ammonium-N	3.4		ppm	SSP		52.58						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
Azteca Milling/PO #4500941487/5500000000664  
Cesar Villarreal  
501 W Chapin Rd.  
EDINBURG, TX 78539

Hidalgo County  
Laboratory Number: 633264  
Customer Sample ID: Field 5 0-6"

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
Department of Soil and Crop Sciences  
2478 TAMU  
College Station, TX 77843-2478  
979-845-4816 (phone)  
979-845-5958 (FAX)  
Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
Printed on: 5/22/2023  
Area Represented: 38 acres

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(5.8)	-	Mod. Alkaline								
Conductivity	114	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	24	(-)	ppm**									50 lbs N/acre
Phosphorus	275	(50)	ppm									0 lbs P2O5/acre
Potassium	693	(150)	ppm									0 lbs K2O/acre
Calcium	25,097	(180)	ppm									0 lbs Ca/acre
Magnesium	382	(50)	ppm									0 lbs Mg/acre
Sulfur	358	(13)	ppm									0 lbs S/acre
Sodium	150	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)								
				pH		7.3						
				Conductivity		2.82 mmhos/cm						
				Sodium		108 ppm						4.702 meq/L
				Potassium		124 ppm						3.172 meq/L
				Calcium		193 ppm						9.621 meq/L
				Magnesium		28 ppm						2.312 meq/L
				SAR		1.92						
Ammonium-N	60.6		ppm	SSP		23.74						

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

**Phosphorus:** Phosphorus is highly elevated, avoid phosphorus containing fertilizers and organics for the next 5 years, retest annually.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633265  
 Customer Sample ID: Field 5 6-18"

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(5.8)	-	Mod. Alkaline								
Conductivity	141	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	3	(-)	ppm**									90 lbs N/acre
Phosphorus	23	(50)	ppm									65 lbs P2O5/acre
Potassium	796	(150)	ppm									0 lbs K2O/acre
Calcium	6,866	(180)	ppm									0 lbs Ca/acre
Magnesium	344	(50)	ppm									0 lbs Mg/acre
Sulfur	107	(13)	ppm									0 lbs S/acre
Sodium	145	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement										0.00 tons 100ECCE/acre		
				Detailed Salinity Test (Saturated Paste Extract)								
				pH				7.1				
				Conductivity				1.94 mmhos/cm				
				Sodium				136 ppm 5.940 meq/L				
				Potassium				85 ppm 2.172 meq/L				
				Calcium				105 ppm 5.235 meq/L				
				Magnesium				22 ppm 1.817 meq/L				
				SAR				3.16				
Ammonium-N	9.9		ppm	SSP				39.17				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>



Report generated for:  
 Azteca Milling/PO #4500941487/5500000000664  
 Cesar Villarreal  
 501 W Chapin Rd.  
 EDINBURG, TX 78539

Hidalgo County  
 Laboratory Number: 633266  
 Customer Sample ID: Field 5 18-30"

Crop Grown: **IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)**

## Soil Analysis Report

Soil, Water and Forage Testing Laboratory  
 Department of Soil and Crop Sciences  
 2478 TAMU  
 College Station, TX 77843-2478  
 979-845-4816 (phone)  
 979-845-5958 (FAX)  
 Visit our website: <http://soiltesting.tamu.edu>

Sample received on: 5/9/2023  
 Printed on: 5/22/2023  
 Area Represented: 38 acres

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	8.1	(5.8)	-	Mod. Alkaline								
Conductivity	189	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	3	(-)	ppm**									90 lbs N/acre
Phosphorus	16	(50)	ppm									85 lbs P2O5/acre
Potassium	693	(150)	ppm									0 lbs K2O/acre
Calcium	10,253	(180)	ppm									0 lbs Ca/acre
Magnesium	409	(50)	ppm									0 lbs Mg/acre
Sulfur	140	(13)	ppm									0 lbs S/acre
Sodium	171	(-)	ppm									
Iron												
Zinc												
Manganese												
Copper												
Boron												
Limestone Requirement											0.00 tons 100ECCE/acre	
				Detailed Salinity Test (Saturated Paste Extract)								
				pH				7.3				
				Conductivity				1.55 mmhos/cm				
				Sodium				139 ppm				6.048 meq/L
				Potassium				67 ppm				1.710 meq/L
				Calcium				66 ppm				3.313 meq/L
				Magnesium				18 ppm				1.513 meq/L
				SAR				3.89				
Ammonium-N	2.6		ppm	SSP				48.06				

\*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. \*\*ppm=mg/kg

**Nitrogen:** Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

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<http://soiltesting.tamu.edu/webpages/calculator.html>



## INDEX 5

Table V.

# MORE FERTILIZER - LESS WATER PER TON

(Irrigated Coastal Bermudagrass in Texas)

Elemental Nitrogen applied Pounds per acre per year	Fertilizer Cost Per Year	Net Return Per Acre	Inches of Water Required to Produce 1 Ton Hay (*)
0	\$ 7.80	\$ 46.60	12.7
120	24.90	144.10	5.8
240	42.00	220.00	4.0
360	59.10	229.00	3.6
480	76.20	250.60	3.3
600	93.30	265.60	3.0

\* Average of 2 years, Average total water per year -  
rainfall and irrigation - 36.52 inches

## APPENDIX 1

## Water Balance/Storage Volume Example &amp; Supplementary Information

## Salt Tolerance of Various Crop Plants

Best growth yields of each crop would occur at a salinity level below the salinity range given.

Relatively Nontolerant	Moderately Salt Tolerant	Relatively Salt Tolerant	Highly Salt Tolerant
Electrical Conductivity (millimhos/cm at 25 degrees C)			
2.0 - 4.0	4.0 - 6.0	6.0 - 8.0	8.0 - 12.0
Field Crops			
Field bean	Sorghum (grain)	Cotton	Barley (grain)
Cowpeas	Rye (grain)	Sugar beet	Rape
Corn (field)	Castorbean	Wheat (grain)	
	Soybean	Oats (grain)	
		Rice	
Forage Crops			
White clover	Tall fescue	Wheat-grasses	Alkali sacaton
Alsike clover	Meadow fescue	Sudan grass	Bermuda grass
Red clover	Orchard-grass	Sweetclover	Barley (hay)
Ladino clover	Millet	Alfalfa	Rhodesgrass
Crimson clover	Sour clover	Ryegrass	Blue grama
Rose clover	Birdsfoot trefoil	Rye (hay)	Panicgrass
Burnet clover		Wheat (hay)	
		Oats (hay)	

## INDEX 6



# Hay Production 2023

Cut	Month	Date	Round bale Quantity	Square bale Quantity	Field	ac	Lb/ac	Tons/ac	Tons/ac Acum. mo.
1	April	1	145		1	37	2939	1.31	
2	May	1	65		1	37	1318	0.59	
3	June	15	57		1	37	1155	0.52	
4	July	1	106		1	37	2149	0.96	
5	July	31	52		1	37	1054	0.47	
6	Oct	5	84		1	37	1703	0.76	
7					1	37	0	0.00	
8					1	37	0	0.00	
9					1	37	0	0.00	
10					1	37	0	0.00	
11					1	37	0	0.00	
Total field # 1			509	0	1	37	10318	4.61	
1	Feb	15	44		2	37	892	0.40	
2	April	1	111		2	37	2250	1.00	
3	May	1	172		2	37	3486	1.56	
4	June	15	21		2	37	426	0.19	
5	July	1	57		2	37	1155	0.52	
6	July	31	68		2	37	1378	0.62	
7	Oct	5	30		2	37	608	0.27	
8					2	37	0	0.00	
9					2	37	0	0.00	
10					2	37	0	0.00	
11					2	37	0	0.00	
12					2	37	0	0.00	
Total field # 2			503	0	2	37	10196	4.55	
1	Feb	15	53		3	32	1242	0.55	
2	July	1	107		3	32	2508	1.12	
3					3	32	0	0.00	
4					3	32	0	0.00	
5					3	32	0	0.00	
6					3	32	0	0.00	
7					3	32	0	0.00	
8					3	32	0	0.00	
Total field # 3			160	0	3	32	3750	1.67	
1	Feb	10	10		4	22	341	0.15	
2	April	1	134		4	22	4568	2.04	
3	June	15	141		4	22	4807	2.15	
4	Sep	14	114		4	22	3886	1.73	
5	Dec	18	99	800	4	22	5193	2.32	
6					4	22	0	0.00	
7					4	22	0	0.00	
8					4	22	0	0.00	
9					4	22	0	0.00	
10					4	22	0	0.00	
Total field # 4			498	800	4	22	18795	8.39	
1	March	30	78		5	37	4000	1.79	
2	June	15	157	672	5	37	2068	0.92	
3	July	1	65	617	5	37	669	0.30	
4	Oct	5	33		5	37	0	0.00	
5					5	37	0	0.00	
6					5	37	0	0.00	
7					5	37	0	0.00	
8					5	37	0	0.00	
9					5	37	0	0.00	
10					5	37	0	0.00	
11					5	37	0	0.00	
Total field # 5			255	1289	5	37	6737	3.01	

AVERAGE 4.17 Ton/ac

Avg. Round Bale 750 lbs.  
1 ton(long)=2,240 lbs.

Avg. square bale 50 lbs.



# Hay Production 2024

Cut	Month	Date	Round bale Quantity	Square bale Quantity	Field	ac	Lb/ac	Tons/ac	Tons/ac Acum. mo.
1	March	15	30		1	37	608	0.27	
2	May	8		966	1	37	1175	0.52	
3	May	20		756	1	37	1022	0.46	
4	July	29	166		1	37	3365	1.50	
5	September	25	216		1	37	4378	1.95	
6	October	20	12		1	37	243	0.11	
7	November	18		132	1	37	178	0.08	
8					1	37	0	0.00	
9					1	37	0	0.00	
10					1	37	0	0.00	
11					1	37	0	0.00	
Total field # 1			424	1,854	1	37	10969	4.90	
1	April	20		924	2	37	1124	0.50	
2	May	20		1596	2	37	1941	0.87	
3	September	25	50		2	37	1014	0.45	
4	October	20	140		2	37	2838	1.27	
5	November	18		504	2	37	681	0.30	
6					2	37	0	0.00	
7					2	37	0	0.00	
8					2	37	0	0.00	
9					2	37	0	0.00	
10					2	37	0	0.00	
11					2	37	0	0.00	
12					2	37	0	0.00	
Total field # 2			190	3024	2	37	7597	3.39	
1	June	20	85		3	32	1992	0.89	
2	July	29	22		3	32	516	0.23	
3	August	23	137		3	32	3211	1.43	
4	September	25	60		3	32	1406	0.63	
5	October	20	22		3	32	516	0.23	
6					3	32	0	0.00	
7					3	32	0	0.00	
8					3	32	0	0.00	
Total field # 3			326	0	3	32	7641	3.41	
1	March	15		1032	4	22	2345	1.05	
2	May	8		651	4	22	1332	0.59	
3	June	20	37		4	22	1261	0.56	
4	July	29	101		4	22	3443	1.54	
5	September	25	121		4	22	4125	1.84	
6	October	20	72		4	22	2455	1.10	
7	November	18		840	4	22	1909	0.85	
8					4	22	0	0.00	
9					4	22	0	0.00	
10					4	22	0	0.00	
Total field # 4			331	2523	4	22	16870	7.53	
1	March	15		487	5	37	1124	0.50	
2	April	20		924	5	37	434	0.19	
3	May	8		357	5	37	1022	0.46	
4	May	20		756	5	37	1541	0.69	
5	July	29	76		5	37	1541	0.69	
6	August	23	51		5	37	1034	0.46	
7	October	20	115		5	37	2331	1.04	
8	November	18		546	5	37	738	0.33	
9					5	37	0	0.00	
10					5	37	0	0.00	
11					5	37	0	0.00	
Total field # 5			242	2583	5	37	9763	4.36	

AVERAGE 4.50 Ton/ac

Avg. Round Bale 750 lbs.  
1 ton(long)=2,240 lbs.

Avg. square bale 50 lbs.

## INDEX 7

Month FIELD # 1	Days in Month	Total Acreage	Wastewater			In		Phosphorus in WW		OUT			IN-OUT P Ton/month
			gal/day	gal/month	lb/month	Ton/month	ppm (w)	Ton/month	0.03	Ton/acre	Grass production Ton/acre	(w%)	Ton/month
January	24	37	79,243	1,901,836	15,869,747	7,085	4,27	0.03	0.03	0.00	0	0.18%	0.00
February	22	37	58,134	1,276,958	10,672,184	4,764	2,92	0.01	0.01	0.00	0	0.18%	0.00
March	31	37	57,772	1,328,759	11,087,744	4,950	3,15	0.02	0.02	0.00	0	0.18%	0.00
April	25	37	51,773	1,294,321	10,800,377	4,822	7,42	0.04	0.04	0.86	32	0.18%	0.06
May	31	37	75,771	2,348,898	19,600,230	8,750	10,13	0.09	0.09	0.59	22	0.18%	0.04
June	29	37	66,828	1,938,011	16,171,610	7,219	2,56	0.02	0.02	0.52	19	0.18%	0.03
July	22	37	68,268	1,501,887	12,532,399	5,595	10,23	0.06	0.06	1,43	53	0.13%	0.07
August	29	37	51,728	1,500,114	12,517,605	5,588	2,10	0.01	0.01	0.00	0	0.13%	0.00
September	21	37	49,484	1,039,172	8,671,304	3,871	6,84	0.03	0.03	0.00	0	0.13%	0.00
October	18	37	43,253	778,562	6,496,658	2,900	9,82	0.03	0.03	0.76	28	0.13%	0.04
November	30	37	69,492	2,084,773	17,396,254	7,766	5,71	0.04	0.04	0.00	0	0.13%	0.00
December	25	37	60,141	1,903,327	12,546,085	5,601	3,23	0.02	0.02	0.00	0	0.13%	0.00
FIELD # 2			66,912			0.39		0.006		0.24			0.15
January	24	37	78,878	1,893,067	15,796,577	7,052	4,27	0.03	0.03	0.00	0	0.23%	0.00
February	25	37	47,510	1,187,758	9,911,172	4,425	2,92	0.01	0.01	0.27	10	0.23%	0.02
March	4	37	57,984	230,337	1,922,032	858	3,15	0.00	0.00	0.00	0	0.23%	0.00
April	15	37	61,430	1,635,738	12,814,870	5,721	7,42	0.04	0.04	1.00	37	0.23%	0.09
May	17	37	73,103	1,242,750	10,370,050	4,629	10,13	0.05	0.05	1,56	58	0.23%	0.13
June	27	37	70,859	1,913,191	15,964,499	7,127	2,56	0.02	0.02	0.19	7	0.23%	0.02
July	26	37	80,578	2,095,021	17,481,770	7,804	10,23	0.08	0.08	0.62	23	0.17%	0.04
August	30	37	52,801	1,584,026	13,217,805	5,901	2,10	0.01	0.01	0.00	0	0.17%	0.00
September	28	37	46,674	1,306,867	10,905,070	4,868	6,84	0.03	0.03	0.00	0	0.17%	0.00
October	30	37	50,214	1,506,416	12,570,191	5,612	9,82	0.06	0.06	0.27	10	0.17%	0.02
November	29	37	61,472	1,782,679	14,875,465	6,641	5,71	0.04	0.04	0.00	0	0.17%	0.00
December	28	37	64,378	1,802,571	15,041,438	6,715	3,23	0.02	0.02	0.00	0	0.17%	0.00
FIELD # 3			67,353			0.39		0.008		0.31			0.08
January	13	32	78,595	1,021,737	8,525,817	3,806	4,27	0.02	0.02	0.00	0	0.19%	0.00
February	20	32	36,972	739,434	6,170,162	2,795	2,92	0.01	0.01	0.22	7	0.19%	0.01
March	31	32	49,002	1,519,057	12,675,677	5,659	3,15	0.02	0.02	0.00	0	0.19%	0.00
April	19	32	41,416	656,896	5,566,199	2,931	7,42	0.02	0.02	0.00	0	0.19%	0.00
May	5	32	36,853	184,284	1,537,579	686	10,13	0.01	0.01	0.00	0	0.19%	0.00
June	20	32	72,780	1,455,598	12,146,141	5,422	2,56	0.01	0.01	0.00	0	0.19%	0.00
July	21	32	90,824	1,907,305	15,915,386	7,105	10,23	0.07	0.07	1,12	36	0.22%	0.08
August	0	32	0	0	0	0	2,10	0.00	0.00	0.00	0	0.22%	0.00
September	17	32	34,192	581,257	4,850,280	2,165	6,84	0.01	0.01	0.00	0	0.22%	0.00
October	18	32	51,640	929,517	7,756,293	3,463	9,82	0.03	0.03	0.00	0	0.22%	0.00
November	0	32	0	0	0	0	5,71	0.00	0.00	0.00	0	0.22%	0.00
December	22	32	60,977	1,341,499	11,194,054	4,997	3,23	0.02	0.02	0.00	0	0.22%	0.00
FIELD # 4			38,990			0.22		0.003		0.09			0.13
January	14	22	74,893	1,048,499	8,749,135	3,906	4,27	0.02	0.02	0.00	0	0.24%	0.00
February	23	22	43,790	1,007,181	8,404,356	3,792	2,92	0.01	0.01	0.15	3	0.24%	0.01
March	26	22	51,558	1,340,499	11,185,711	4,984	3,15	0.02	0.02	0.00	0	0.24%	0.00
April	8	22	41,843	334,748	2,793,279	1,247	7,42	0.01	0.01	0.65	14	0.24%	0.03
May	24	22	59,086	1,418,059	11,832,906	5,283	10,13	0.05	0.05	0.00	0	0.24%	0.00
June	20	22	82,965	1,659,709	13,849,334	6,183	2,56	0.02	0.02	2,15	47	0.24%	0.11
July	12	22	92,968	1,115,613	9,309,162	4,156	10,23	0.04	0.04	0.00	0	0.14%	0.00
August	0	22	0	0	0	0	2,10	0.00	0.00	0.00	0	0.14%	0.00
September	19	22	55,962	1,063,272	8,872,405	3,961	6,84	0.03	0.03	1,73	38	0.14%	0.05
October	29	22	51,170	1,483,931	12,382,566	5,528	9,82	0.05	0.05	0.00	0	0.14%	0.00
November	18	22	56,934	1,024,813	8,551,487	3,818	5,71	0.00	0.00	0.00	0	0.14%	0.00
December	0	22	0	0	0	0	3,23	0.00	0.00	2,32	51	0.14%	0.07
FIELD # 5			42,826			0.27		0.013		0.28			-0.01
January	29	37	76,656	2,223,010	18,549,766	8,261	4,27	0.04	0.04	0.00	0	0.23%	0.00
February	22	37	43,234	951,158	7,936,878	3,543	2,92	0.01	0.01	0.00	0	0.23%	0.00
March	25	37	51,915	1,297,887	10,830,138	4,835	3,15	0.02	0.02	0.00	0	0.23%	0.00
April	13	37	54,275	705,573	5,887,609	2,628	7,42	0.02	0.02	0.00	0	0.23%	0.00
May	26	37	81,609	2,121,832	17,705,494	7,904	10,13	0.08	0.08	0.00	0	0.23%	0.00
June	37	37	128,403	898,819	7,500,134	3,348	2,56	0.01	0.01	1,79	66	0.23%	0.15
July	21	37	93,170	1,956,577	16,326,529	7,289	10,23	0.07	0.07	0.92	34	0.13%	0.04
August	28	37	56,150	1,572,212	13,119,221	5,857	2,10	0.01	0.01	0.00	0	0.13%	0.00
September	27	37	42,112	1,137,029	9,487,866	4,236	6,84	0.03	0.03	0.00	0	0.13%	0.00
October	29	37	45,627	1,323,193	11,041,300	4,929	9,82	0.05	0.05	0.30	11	0.13%	0.01
November	26	37	52,572	1,366,877	11,405,814	5,092	5,71	0.03	0.03	0.00	0	0.13%	0.00
December	27	37	59,472	1,605,744	13,399,027	5,962	3,23	0.02	0.02	0.00	0	0.13%	0.00
TOTALS			165			1.65		0.007		0.23			0.10



## **INDEX 8**

# Water Analysis

Client No: 1010

Lab #'s: 67023 - 67028

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: January 26, 2023



4915 West Monte Cristo Road  
Edinburg, Texas 78541  
956-383-0739  
TPSLab.com • AskThePlant.com

Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1391	01/04/23	67023	1.78	11.13			
1392	01/11/23	67024	1.77	11.14	11.90		
1393	01/11/23	67025				4.27	
1394	01/18/23	67026	1.81	11.14			
1395	01/18/23	67027					2.17
1396	01/25/23	67028	1.76	11.11			

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# Water Analysis

Client No: 1010

Lab #'s: 67462 - 67466

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: February 23, 2023



4915 West Monte Cristo Road  
Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1397	02/01/23	67462	1.907	11.09			
1398	02/08/23	67463	1.909	11.11	8.10		
1399	02/08/23	67464				2.92	
1400	02/15/23	67465	1.905	11.08			
1401	02/22/23	67466	1.952	11.08			

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# Water Analysis

Client No: 1010

Lab #'s: 67921 - 67927

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: March 29, 2023



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1402	03/01/23	67921	1.63	11.34			
1403	03/08/23	67922	1.60	11.37	8.50		
1404	03/08/23	67923				3.15	
1405	03/15/23	67924	1.60	11.36			
1406	03/15/23	67925					2.20
1407	03/22/23	67926	1.60	11.35			
1408	03/29/23	67927	1.58	11.33			

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# Water Analysis

Client No: 1010

Lab #'s: 68405 - 68409

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: April 27, 2023



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1409	04/05/23	68405	1.851	11.66			
1410	04/12/23	68406	1.853	11.64	9.70		
1411	04/12/23	68407				7.42	
1412	04/19/23	68408	1.839	11.65			
1413	04/26/23	68409	1.84	11.66			

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# Water Analysis

Client No: 1010

Lab #'s: 68974 - 68979

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: June 01, 2023



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1414	05/03/23	68974	2.37	11.63			
1415	05/10/23	68975	2.35	11.64	9.30		
1416	05/17/23	68976				10.13	
1417	05/17/23	68977	2.37	11.39			
1418	05/24/23	68978	2.32	11.72			
1419	05/31/23	68979	2.32	11.68			

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# Water Analysis

Client No: 1010

Lab #'s: 69410 - 69415

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: June 29, 2023



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1420	06/07/23	69410	2.22	11.05			
1421	06/14/23	69411	2.21	11.04	8.20		
1422	06/21/23	69412				2.56	
1423	06/21/23	69413	2.21	11.02			
1424	06/28/23	69414	2.20	11.06			
1425	06/28/23	69415					4.55

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# Water Analysis

Client No: 1010

Lab #'s: 69849 - 69853

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: July 26, 2023



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1426	07/05/23	69849	2.44	11.69			
1427	07/12/23	69850	2.47	11.67	11.80		
1428	07/12/23	69851				10.23	
1429	07/19/23	69852	2.44	11.66			
1430	07/26/23	69853	2.45	11.66			

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# Water Analysis

Client No: 1010

Lab #'s: 70256 - 70261

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: August 30, 2023



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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1431	08/02/23	70256	2.23	11.52			
1432	08/09/23	70257	2.19	11.50	10.60		
1433	08/09/23	70258				2.10	
1434	08/16/23	70259	2.21	11.51			
1435	08/23/23	70260	2.20	11.45			
1436	08/30/23	70261	2.25	11.51			

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# Water Analysis

Client No: 1010

Lab #'s: 70467 - 70472

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: September 29, 2023



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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1437	09/06/23	70467	1.72	11.07			
1438	09/13/23	70468	1.703	11.06	17.10		
1439	09/13/23	70469				6.84	
1440	09/20/23	70470	1.728	11.11			
1441	09/20/23	70471					1.94
1442	09/27/23	70472	1.726	11.07			

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# Water Analysis

Client No: 1010

Lab #'s: 70640 - 70644

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: October 26, 2023



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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1443	10/04/23	70640	1.87	11.17			
1444	10/11/23	70641	1.87	11.14	10.00		
1445	10/11/23	70642				9.82	
1446	10/18/23	70643	1.87	11.14			
1447	10/25/23	70644	1.87	11.16			

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# Water Analysis

Client No: 1010

Lab #'s: 70892 - 70897

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: November 30, 2023



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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1448	11/01/23	70892	2.19	11.22			
1449	11/08/23	70893	2.18	11.25	10.60		
1450	11/08/23	70894				5.71	
1451	11/15/23	70895	2.17	11.21			
1452	11/22/23	70896	2.18	11.25			
1453	11/29/23	70897	2.17	11.23			

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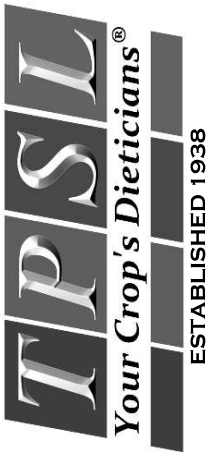
Water Analysis

Client No: 1010

Lab #'s: 71360 - 71366

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: January 31, 2024



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1460	01/03/24	71360	2.25	11.23			
1461	01/10/24	71361	2.23	11.24	22.10		
1462	01/17/24	71362				4.20	
1463	01/17/24	71363	2.23	11.21			
1464	01/24/24	71364	2.23	11.24			
1465	01/24/24	71365					1.47
1466	01/31/24	71366	2.23	11.26			

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Water Analysis

Client No: 1010

Lab #'s: 71695 - 71699

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: February 29, 2024



4915 West Monte Cristo Road  
Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1467	02/07/24	71695	2.00	11.34			
1468	02/14/24	71696	1.99	11.35	9.90		
1469	02/14/24	71697				3.46	
1470	02/21/24	71698	2.00	11.34			
1471	02/28/24	71699	1.97	11.37			

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# Water Analysis

Client No: 1010 Lab  
#s: 72110 - 72115

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: March 27, 2024



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Edinburg, Texas 78541 956-383-0739

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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1472	03/06/24	72110	2.36	11.72			
1473	03/13/24	72111	2.33	11.74	8.80		
1474	03/20/24	72112				6.60	
1475	03/20/24	72113	2.33	11.73			
1476	03/27/24	72114					2.00
1477	03/27/24	72115	2.36	11.76			

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Water Analysis

Client No: 1010

Lab #'s: 72480 - 72484

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: April 25, 2024



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1478	04/03/24	72480	2.02	11.34			
1479	04/10/24	72481	2.02	11.36	4.40		
1480	04/17/24	72482				11.03	
1481	04/17/24	72483	2.02	11.37			
1482	04/24/24	72484	2.01	11.35			

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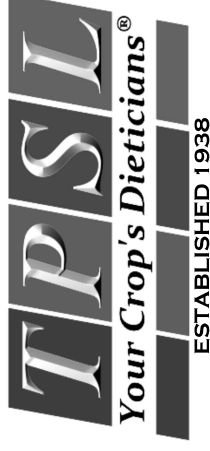
# Water Analysis

Client No: 1010

Lab #'s: 73144 - 73149

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: May 30, 2024



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1483	05/01/24	73144	2.22	11.46			
1484	05/08/24	73145	2.26	11.51	6.30		
1485	05/15/24	73146				3.69	
1486	05/15/24	73147	2.25	11.48			
1487	05/22/24	73148	2.24	11.51			
1488	05/29/24	73149	2.24	11.51			

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# Water Analysis

Client No: 1010

Lab #'s: 73688 - 73693

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: June 26, 2024



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1489	06/05/24	73688	1.17	11.06			
1490	06/12/24	73689	1.76	11.02	10.10		
1491	06/12/24	73690				3.67	
1492	06/19/24	73691	1.74	11.03			
1493	06/26/24	73692	1.73	11.04			
1494	06/26/24	73693					2.22

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# Water Analysis

Client No: 1010

Lab #'s: 74169 - 74174

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: July 25, 2024



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Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1495	07/03/24	74169	3.28	11.8			
1496	07/10/24	74170	3.31	11.79	14.40		
1497	07/17/24	74171				2.99	
1498	07/17/24	74172	3.28	11.8			
1499	07/24/24	74173	3	11.68			
1500	07/31/24	74174	2.86	11.62			

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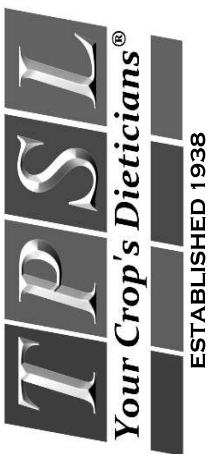
Water Analysis

Client No: 1010

Lab #'s: 74609 - 74613

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: August 28, 2024



4915 West Monte Cristo Road  
Edinburg, Texas 78541  
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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1501	08/07/24	74609	2.51	11.55			
1502	08/14/24	74610	2.52	11.5	2.10		
1503	08/21/24	74611				3.30	
1504	08/21/24	74612	2.52	11.53			
1505	08/28/24	74613	2.51	11.55			

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# Water Analysis

Client No: 1010

Lab #'s: 74813 - 74818

Azteca Milling / Juan Martinez  
501 West Chapin Road  
Edinburg, Texas 78540

Date Received: September 25, 2024



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Sample ID	Sample Date	Lab #	E.C. <i>mmhos/cm</i>	pH <i>Std Unit</i>	Nitrogen <i>N - mg/L</i>	Phosphorous <i>P - mg/L</i>	S.A.R.
1506	09/04/24	74813	2.48	11.22			
1507	09/11/24	74814	2.43	11.24	12.70		
1508	09/11/24	74815				0.94	
1509	09/18/24	74816	2.42	11.25			
1510	09/25/24	74817	2.4	11.24			
1511	09/25/24	74818					4.95

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**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1043959**

Printed 02/08/2023 10:26

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## SAMPLE CROSS REFERENCE

Project

1043959

Printed

2/8/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2164553	Waste Water Sample# 234	01/25/2023	09:00:00	01/26/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1045930) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1045930) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1045930	02/01/2023	1045930	02/01/2023
SM 2540 D-2015	01	1046133	01/27/2023	1046133	01/27/2023
SM 4500-H+ B-2011	01	1046782	02/02/2023	1046782	02/02/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



Report Page 2 of 8

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1043959

Printed: 02/08/2023

RESULTS

Sample Results

2164553 Waste Water Sample# 234 Received: 01/26/2023  
Non-Potable Water Collected by: Client Azteca Milling, LP PO: 4500660699 EXP 12-31-2022  
Taken: 01/25/2023 09:00:00

SM 2540 D-2015		Prepared: 1046133 01/27/2023 13:10:00		Analyzed 1046133 01/27/2023 13:10:00		NCS
Parameter		Results	Units	RL	Flags	CAS
NELAC	Total Suspended Solids	603	mg/L	66.7		01

SM 4500-H+ B-2011		Prepared: 1046782 02/02/2023 09:22:00		Analyzed 1046782 02/02/2023 09:22:00		SRJ
Parameter		Results	Units	RL	Flags	CAS
NELAC	Laboratory pH	11.6 @ 18 C	SU	2.00		01

SM 5210 B-2016		Prepared: 1045930 01/27/2023		Analyzed 1045930 02/01/2023 13:45:03		JW1
Parameter		Results	Units	RL	Flags	CAS
NELAC	Biochemical Oxygen Demand (BOD5)	1380	mg/L	250		1026-3 01

Sample Preparation

2164553 Waste Water Sample# 234 Received: 01/26/2023  
01/25/2023 4500660699 EXP 12-31-2022

		Prepared: 01/27/2023 10:33:49		Calculated 01/27/2023 10:33:49		CAL
Environmental Fee (per Project)		Verified				

SM 2540 D-2011		Prepared: 1044617 01/27/2023 13:10:00		Analyzed 1044617 01/27/2023 13:10:00		NC
NELAC	TSS Set Started	Started				





**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1043959**

Printed: 02/08/2023

**2164553 Waste Water Sample# 234**

Received: 01/26/2023

4500660699 EXP 12-31-2022

01/25/2023

SM 5210 B-2016

Prepared: 1045930 01/27/2023

Analyzed 1045930 01/27/2023 05:49:23 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see

<https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Trey Peery, MA, Project Manager



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1043959

Printed 02/08/2023

Analytical Set 1045930

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1045930	0.05	0.200	0.500	mg/L	124539470
Biochemical Oxygen Demand (BOD5)	1045930	0.06	0.200	0.500	mg/L	124539517
Biochemical Oxygen Demand (BOD5)	1045930	0.07	0.200	0.500	mg/L	124539564
Biochemical Oxygen Demand (BOD5)	1045930	0.05	0.200	0.500	mg/L	124539611

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2164318	5.87	4.71	mg/L	21.9	30.0
Biochemical Oxygen Demand (BOD5)	2164414	93.5	87.8	mg/L	6.29	30.0
Biochemical Oxygen Demand (BOD5)	2164450	255	600	mg/L	80.7 *	30.0
Biochemical Oxygen Demand (BOD5)	2164549	37.0	34.1	mg/L	8.16	30.0
Biochemical Oxygen Demand (BOD5)	2164606	4.27	4.11	mg/L	3.82	30.0
Biochemical Oxygen Demand (BOD5)	2164688	11.4	10.8	mg/L	5.41	30.0
Biochemical Oxygen Demand (BOD5)	2164722	5.20	6.48	mg/L	21.9	30.0
Biochemical Oxygen Demand (BOD5)	2164801	4.00	3.84	mg/L	4.08	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1045930	0.783	0.200	0.500	mg/L	124539471
Biochemical Oxygen Demand (BOD5)	1045930	0.700	0.200	0.500	mg/L	124539518
Biochemical Oxygen Demand (BOD5)	1045930	0.783	0.200	0.500	mg/L	124539565
Biochemical Oxygen Demand (BOD5)	1045930	0.800	0.200	0.500	mg/L	124539612

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		219	198	mg/L	111	83.7 - 116	124539472
Biochemical Oxygen Demand (BOD5)		212	198	mg/L	107	83.7 - 116	124539519
Biochemical Oxygen Demand (BOD5)		217	198	mg/L	110	83.7 - 116	124539566
Biochemical Oxygen Demand (BOD5)		210	198	mg/L	106	83.7 - 116	124539613

Analytical Set 1046133

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1046133	ND	2	2	mg/L	124547099

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1046133	0.0003			grams	124547098

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2164553	660	603	mg/L	9.03	20.0
Total Suspended Solids	2164793	6.46	6.46	mg/L	0	20.0
Total Suspended Solids	2164799	9.60	10.2	mg/L	6.06	20.0



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1043959

Printed 02/08/2023

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1046133	50.0	50.0	mg/L	100	90.0 - 110	124547132

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		96.0	100	mg/L	96.0	90.0 - 110	124547131

Analytical Set 1046782

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2164328	8.2	8.3	SU	1.21	20.0
Laboratory pH	2165549	5.7	5.7	SU	0	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1046782	7.01	7.00	SU	100	90.0 - 110	124567044
Laboratory pH	1046782	4.00	4.00	SU	100	90.0 - 110	124567045
Laboratory pH	1046782	10.03	10.00	SU	100	90.0 - 110	124567046
Laboratory pH	1046782	6.01	6.00	SU	100	90.0 - 110	124567047
Laboratory pH	1046782	8.00	8.00	SU	100	90.0 - 110	124567048
Laboratory pH	1046782	6.06	6.00	SU	101	90.0 - 110	124567060
Laboratory pH	1046782	8.02	8.00	SU	100	90.0 - 110	124567061
Laboratory pH	1046782	6.06	6.00	SU	101	90.0 - 110	124567071
Laboratory pH	1046782	8.01	8.00	SU	100	90.0 - 110	124567072

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



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1043959 CoC Print Group 001 of 001

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# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2164553  
 PO Number Mandatory 4500435474  
 Phone 956/383-4911

**Waste Water Sample# 234**

*Matrix: Non-Potable Water*

## Sample Collection Start

Date: 1-25-23 Time: 9:00 AM  
 Sampler Printed Name: Juan Martinez  
 Sampler Affiliation: AZM3  
 Sampler Signature: Juan Martinez

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NELAC Short Hold BOD Biochemical Oxygen Demand (BOD5) SM 5210 B-2011 CAS:1026-3 (2.00 days)  
 NELAC TSS Total Suspended Solids SM 2540 D-2011 (7.00 days)

☒ Polyethylene Quart

NELAC pHLL Laboratory pH SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
1-25-23	10:25 AM	Printed Name: <u>Juan Martinez</u> Affiliation: Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: Signature: <u>[Signature]</u>
1-25-23	17:30	Printed Name: <u>[Signature]</u> Affiliation: Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: Signature: <b>LCNE STAR</b>
1/26/23	0910	Printed Name: <u>[Signature]</u> Affiliation: Signature: <b>LCNE STAR</b>	Printed Name: <u>Kathy Tarver - Ana-Lab</u> Affiliation: Signature: <u>[Signature]</u>
		Printed Name: Affiliation: Signature:	Printed Name: Affiliation: Signature:



See Attachment for  
 Tracking # and Terms

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



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From:  
JOEL MANJARREZ  
ANA-LAB CORP. (RGV)  
2401 VILLAGE DR.  
SUITE C  
BROWNSVILLE, TX 78521  
9562380208

# ANA-LAB

## KILGORE, TEXAS

**TEMP SENSITIVE!**

## SAMPLES

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**B GGG**

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10:30 IN MOST CITIES  
LATER IN REMOTE CITIES

**PRINT DATE:** 1/23/2023  
**QUICKCODE:** LOGIN  
**REF 1:** 1D00V.00000000

REF 3:  
WEIGHT: 65 001 00

1/24 0933 RT  
Date Time Tech  
Temp: 4.4 / 9.2

Therm#: 6444 Corr Fact: -0.2 C

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AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1047511

Printed 03/06/2023 17:07

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Email: projectmanager@ana-lab.com



## SAMPLE CROSS REFERENCE

Project

1047511

Printed

3/6/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2172615	Waste Water Sample # 235	02/22/2023	09:00:00	02/23/2023

Bottle 01 8 oz Plastic H2SO4 pH < 2

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-P E-2011	01	1051529	03/06/2023	1051529	03/06/2023

Sample	Sample ID	Taken	Time	Received
2172619	Waste Water Sample# 235	02/22/2023	09:00:00	02/23/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1050011) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1050011) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1050011	03/01/2023	1050011	03/01/2023
SM 2540 D-2015	01	1050734	02/28/2023	1050734	02/28/2023
SM 4500-H+ B-2011	01	1051223	03/03/2023	1051223	03/03/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



Report Page 2 of 10

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1047511

Printed: 03/06/2023

## RESULTS

### Sample Results

#### 2172615 Waste Water Sample # 235

Received: 02/23/2023

Non-Potable Water

Collected by: Client  
Taken: 02/22/2023

Azteca Milling, LP  
09:00:00

PO: 4500896387

SM 4500-P E-2011

Prepared: 1051529 03/06/2023 13:12:00 Analyzed 1051529 03/06/2023 13:12:00 SRJ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Phosphorus (as P), total	5.43	mg/L	1.00		7723-14-0	01

#### 2172619 Waste Water Sample# 235

Received: 02/23/2023

Non-Potable Water

Collected by: Client  
Taken: 02/22/2023

Azteca Milling, LP  
09:00:00

PO: 4500896387

SM 2540 D-2015

Prepared: 1050734 02/28/2023 08:15:00 Analyzed 1050734 02/28/2023 08:15:00 SLS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	363	mg/L	66.7			01

SM 4500-H+ B-2011

Prepared: 1051223 03/03/2023 10:04:00 Analyzed 1051223 03/03/2023 10:04:00 WDM

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	11.3 @ 18 c	SU	2.00			01

SM 5210 B-2016

Prepared: 1050011 02/24/2023 Analyzed 1050011 03/01/2023 10:00:00 ESN

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	1530	mg/L	250		1026-3	01

### Sample Preparation



Report Page 3 of 10



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1047511**

Printed: 03/06/2023

**2172619 Waste Water Sample# 235**

Received: 02/23/2023  
4500896387

02/22/2023

Prepared: 02/24/2023 09:34:04 Calculated 02/24/2023 09:34:04 CAL

**Environmental Fee (per Project)**

**Verified**

SM 2540 D-2011

Prepared: 1050295 02/28/2023 08:15:00 Analyzed 1050295 02/28/2023 08:15:00 SLS

**TSS Set Started**

**Started**

SM 5210 B-2016

Prepared: 1050011 02/24/2023 Analyzed 1050011 02/24/2023 06:51:45 ESN

**BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see

<https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1047511

Printed 03/06/2023

Analytical Set 1050011

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1050011	0.08	0.200	0.500	mg/L	124640781
Biochemical Oxygen Demand (BOD5)	1050011	0.12	0.200	0.500	mg/L	124640828
Biochemical Oxygen Demand (BOD5)	1050011	0.12	0.200	0.500	mg/L	124640881
Biochemical Oxygen Demand (BOD5)	1050011	0.07	0.200	0.500	mg/L	124645038

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2172560	ND	87.2	mg/L	200 *	30.0
Biochemical Oxygen Demand (BOD5)	2172651	3.89	2.93	mg/L	28.2	30.0
Biochemical Oxygen Demand (BOD5)	2172757	6.99	15.1	mg/L	73.4 *	30.0
Biochemical Oxygen Demand (BOD5)	2172862	47.9	47.1	mg/L	1.68	30.0
Biochemical Oxygen Demand (BOD5)	2172883	1840	1720	mg/L	6.74	30.0
Biochemical Oxygen Demand (BOD5)	2172927	22.2	22.2	mg/L	0.00	30.0
Biochemical Oxygen Demand (BOD5)	2173115	12.8	12.1	mg/L	5.62	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1050011	0.917	0.200	0.500	mg/L	124640782
Biochemical Oxygen Demand (BOD5)	1050011	0.893	0.200	0.500	mg/L	124640829
Biochemical Oxygen Demand (BOD5)	1050011	0.940	0.200	0.500	mg/L	124640882
Biochemical Oxygen Demand (BOD5)	1050011	0.870	0.200	0.500	mg/L	124645039

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	124640783
Biochemical Oxygen Demand (BOD5)		221	198	mg/L	112	83.7 - 116	124640830
Biochemical Oxygen Demand (BOD5)		218	198	mg/L	110	83.7 - 116	124640883
Biochemical Oxygen Demand (BOD5)		198	198	mg/L	100	83.7 - 116	124645040

Analytical Set 1050734

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1050734	ND	2	2	mg/L	124663033

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1050734	-0.0001			grams	124663032

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2172326	42.3	40.8	mg/L	3.61	20.0
Total Suspended Solids	2172619	407	363	mg/L	11.4	20.0
Total Suspended Solids	2172630	93.0	88.0	mg/L	5.52	20.0



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1047511

Printed 03/06/2023

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1050734	53.0	50.0	mg/L	106	90.0 - 110	124663066

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids	104	100	100	mg/L	104	90.0 - 110	124663065

Analytical Set

1051223

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2171305	2.5	2.4	SU	4.08	20.0
Laboratory pH	2172564	7.0	7.0	SU	0	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1051223	6.05	6.00	SU	101	90.0 - 110	124678091
Laboratory pH	1051223	8.02	8.00	SU	100	90.0 - 110	124678092
Laboratory pH	1051223	6.05	6.00	SU	101	90.0 - 110	124678104
Laboratory pH	1051223	8.01	8.00	SU	100	90.0 - 110	124678105
Laboratory pH	1051223	5.99	6.00	SU	99.8	90.0 - 110	124678117
Laboratory pH	1051223	7.97	8.00	SU	99.6	90.0 - 110	124678118

Analytical Set

1051529

SM 4500-P E-2011

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phosphorus (as P), total	1051529	ND	0.010	0.010	mg/L	124684657

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus (as P), total	0.273	0.300	mg/L	91.0	90.0 - 110	124684658
Phosphorus (as P), total	0.323	0.300	mg/L	108	90.0 - 110	124684673
Phosphorus (as P), total	0.274	0.300	mg/L	91.3	90.0 - 110	124684686

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phosphorus (as P), total	1051529	0.263	0.262	0.300	80.0 - 120	87.7	87.3	mg/L	0.381	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus (as P), total	2172644	0.326	0.352	0.197	0.150	70.0 - 130	86.0	103	mg/L	18.3	20.0
Phosphorus (as P), total	2173134	0.367	0.368	0.217	0.150	70.0 - 130	100	101	mg/L	0.664	20.0

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$



Report Page 6 of 10

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1047511

Printed 03/06/2023

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)



1047511 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 R: PO Box 3275 Kilgore, TX 75663  
 Office: 903-984-0551 \* Fax: 903-984-5914

**CHAIN OF CUSTODY**

Printed 02/20/2023

Page 1 of 1

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**119**

Lab Number 2172615  
 PO Number Mandatory 4500896387  
 Phone 956/383-4911

**Waste Water Sample # 235**
☒ Hand Delivered by Client to Region or LAB
**Matrix: Non-Potable Water****Sample Collection Start**Date: 2-22-23 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ H2SO4 to pH <2 250 ml Polyethylene

NFLAC

TPWB Phosphorus (as P), total

SM 4500-P E-2011 CAS:7723-14-0 (28.0 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
2-22-23	10:05	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
2/22/23	17:30	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
2/23/23	1130	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>RAYSHAWN THOMPSON ANA-LAB</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
		Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>

Sample Received on Ice? ☒ Yes ☐ NoCooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000.123.

**Comments**

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1047511 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
P.O. Box 9000 Kilgore, Texas 75663  
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# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number

2172619

PO Number

Phone

956/383-4911

Waste Water Sample# 235

Matrix: Non-Potable Water

## Sample Collection Start

Date: 2-22-23 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: A2 M3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

☒ Polyethylene Quart

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
2-22-23	10:05 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>A2 M3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
2/22/23	11:30	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>LORE STAR</u>
2/23/22	1130	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
		Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



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1047511 CoC Print Group 001 of 001

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https://www2.lso.com/weblabels/?labels=0&amp;combinedlabel=1&amp;se..



Airbill No. Z100BDTP

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**OVERNIGHT\***

DELIVERY TO:

**ANA-LAB**

KILGORE, TEXAS

**TIME SENSITIVE!****TEMP SENSITIVE!**

SAMPLES

903-984-0551

SHIP TO:  
LOGIN  
ANA-LAB CORP.  
2600 DUDLEY RD.  
KILGORE, TX 75662  
9039840551

From:  
JOEL MANJARREZ  
ANA-LAB CORP. (RGV)  
2401 VILLAGE DR.  
SUITE C  
BROWNSVILLE, TX 78521  
9562380208

**GGG****LSO PRIORITY NEXT DAY**

10:30 IN MOST CITIES  
LATER IN REMOTE CITIES

PRINT DATE: 2/20/2023 REF 1:  
QUICK CODE: 1030V WEIGHT: 03.00LBS  
REF 1: 1030V, 000 REF 2:

2/23 1138 RT  
Date Time Tech  
Temp: 2.0 / 1.9 C  
Therm#: 6444 Corr Fact: -0.1 C

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup**.

**WARNING:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number. This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges.

**LIMIT OF LIABILITY:** We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. **NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.**

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

*Project*  
**1051171**

Printed 03/29/2023 17:15

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Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



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## SAMPLE CROSS REFERENCE

Project

1051171

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3/29/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2181059	Waste Water Sample# 236	03/21/2023	09:00:00	03/22/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1054445) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1054445) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1054445	03/28/2023	1054445	03/28/2023
SM 2540 D-2015	01	1055201	03/27/2023	1055201	03/27/2023
SM 4500-H+ B-2011	01	1055325	03/29/2023	1055325	03/29/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



Report Page 2 of 8

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1051171**

Printed: 03/29/2023

## RESULTS

### Sample Results

**2181059** Waste Water Sample# 236

Received: 03/22/2023

Non-Potable Water

Collected by: Client  
Taken: 03/21/2023

Azteca Milling, LP  
09:00:00

PO: 4500896387

SM 2540 D-2015

Prepared: 1055201 03/27/2023 09:00:00 Analyzed 1055201 03/27/2023 09:00:00 LR3

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Total Suspended Solids</b>	<b>365</b>	<b>mg/L</b>	100			01

SM 4500-H+ B-2011

Prepared: 1055325 03/29/2023 09:57:23 Analyzed 1055325 03/29/2023 09:57:23 WDM

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Laboratory pH</b>	<b>11.4 @ 20 c</b>	<b>SU</b>	2.00			01

SM 5210 B-2016

Prepared: 1054445 03/23/2023 Analyzed 1054445 03/28/2023 11:03:20 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Biochemical Oxygen Demand (BOD5)</b>	<b>2080</b>	<b>mg/L</b>	250	B	<b>1026-3</b>	01

### Sample Preparation

**2181059** Waste Water Sample# 236

Received: 03/22/2023

03/21/2023

4500896387

Prepared: 03/23/2023 09:03:32 Calculated 03/23/2023 09:03:32 CAL

**Environmental Fee (per Project)**

**Verified**

SM 2540 D-2011

Prepared: 1054582 03/27/2023 09:00:00 Analyzed 1054582 03/27/2023 09:00:00 LR3

**TSS Set Started**

**Started**



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1051171

Printed: 03/29/2023

2181059 Waste Water Sample# 236

Received: 03/22/2023  
4500896387

03/21/2023

SM 5210 B-2016

Prepared: 1054445 03/23/2023

Analyzed 1054445 03/23/2023 05:55:21 JWI

NELAC BOD Set Started

Started

Qualifiers:

B - Analyte detected in the associated method blank

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see

<https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1051171

Printed 03/29/2023

Analytical Set 1054445

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1054445	0.32	0.200	0.500	mg/L	* 124755457
Biochemical Oxygen Demand (BOD5)	1054445	0.30	0.200	0.500	mg/L	* 124755504
Biochemical Oxygen Demand (BOD5)	1054445	0.19	0.200	0.500	mg/L	124755553
Biochemical Oxygen Demand (BOD5)	1054445	0.24	0.200	0.500	mg/L	* 124758169

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2180862	61.5	73.5	mg/L	17.8	30.0
Biochemical Oxygen Demand (BOD5)	2181017	376	468	mg/L	21.8	30.0
Biochemical Oxygen Demand (BOD5)	2181064	2.68	3.64	mg/L	30.4 *	30.0
Biochemical Oxygen Demand (BOD5)	2181118	38.8	39.6	mg/L	1.04	30.0
Biochemical Oxygen Demand (BOD5)	2181147	3.95	3.67	mg/L	7.35	30.0
Biochemical Oxygen Demand (BOD5)	2181274	10.9	11.1	mg/L	1.82	30.0
Biochemical Oxygen Demand (BOD5)	2181495	6.01	5.01	mg/L	18.1	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1054445	0.870	0.200	0.500	mg/L	124755458
Biochemical Oxygen Demand (BOD5)	1054445	0.910	0.200	0.500	mg/L	124755505
Biochemical Oxygen Demand (BOD5)	1054445	0.873	0.200	0.500	mg/L	124755554
Biochemical Oxygen Demand (BOD5)	1054445	0.877	0.200	0.500	mg/L	124758170

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)	227	198	mg/L	115	83.7 - 116		124755459
Biochemical Oxygen Demand (BOD5)	222	198	mg/L	112	83.7 - 116		124755506
Biochemical Oxygen Demand (BOD5)	220	198	mg/L	111	83.7 - 116		124755555
Biochemical Oxygen Demand (BOD5)	222	198	mg/L	112	83.7 - 116		124758171

Analytical Set 1055201

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1055201	ND	2	2	mg/L	124773562

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1055201	0			grams	124773561

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2180684	5580	5740	mg/L	2.83	20.0
Total Suspended Solids	2181005	78.3	80.9	mg/L	3.27	20.0
Total Suspended Solids	2181799	ND	ND	mg/L		20.0



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1051171

Printed 03/29/2023

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1055201	50.0	50.0	mg/L	100	90.0 - 110	124773595

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	124773594

Analytical Set

1055325

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2180588	5.7	5.7	SU	0	20.0
Laboratory pH	2181020	8.2	8.1	SU	1.23	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1055325	6.04	6.00	SU	101	90.0 - 110	124776157
Laboratory pH	1055325	8.02	8.00	SU	100	90.0 - 110	124776158
Laboratory pH	1055325	6.06	6.00	SU	101	90.0 - 110	124776170
Laboratory pH	1055325	8.05	8.00	SU	101	90.0 - 110	124776171
Laboratory pH	1055325	6.10	6.00	SU	102	90.0 - 110	124776183
Laboratory pH	1055325	8.09	8.00	SU	101	90.0 - 110	124776184

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

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P-UP FEES 0.00  
 SUB:  
 ALL CLIENTS ON SINGLE  
 PROJECT? YES NO

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# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2181059  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

**Waste Water Sample# 236**

*Matrix: Non-Potable Water*

Sample Collection Start

Date: 3-21-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

☒ Polyethylene Quart

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
3-21-23	11:30am	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>John May</u> Affiliation: <u>Ma LS</u> Signature: <u>John May</u>
3-21-23	17:30	Printed Name: <u>John May</u> Affiliation: <u>Ma LS</u> Signature: <u>John May</u>	Printed Name: <u>LONE STAR</u> Affiliation: <u>LONE STAR</u> Signature: <u>LONE STAR</u>
3/22/23	1050	Printed Name: <u>LONE STAR</u> Affiliation: <u>LONE STAR</u> Signature: <u>LONE STAR</u>	Printed Name: <u>RAYSHAWN THOMPSON</u> Affiliation: <u>ANA-LAB</u> Signature: <u>Rayshawn Thompson</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



Report Page 7 of 8

1051171 CoC Print Group 001 of 001

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https://www2.lso.com/weblabels/?labelsize=0&amp;combinedlabel=1&amp;se..

			LSO 1-800-800-8984 www.lso.com
<b>OVERNIGHT*</b>		Airbill No. Z100BFP1	
<b>DELIVERY TO:</b> <b>ANA-LAB</b> KILGORE, TEXAS	<b>SHIP TO:</b> LOGIN ANA-LAB CORP. 2600 DUDLEY RD. KILGORE, TX 75662 9039840551	From: JOEL MANJARREZ ANA-LAB CORP. (RGV) 2401 VILLAGE DR. SUITE C BROWNSVILLE, TX 78521 9562380208	
<b>TIME SENSITIVE!</b> <b>TEMP SENSITIVE!</b>			
<b>SAMPLES</b> 903-984-0551		<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="font-size: 2em; font-weight: bold;">B GGG</div> <div> <b>LSO PRIORITY NEXT DAY</b>            10:30 IN MOST CITIES            LATER IN REMOTE CITIES         </div> </div> </div>	
PRINT DATE: 3/20/2023 QUICKCODE: LOGIN REF 1: 1D00V.0000 REF 2:		REF 3: WEIGHT: 65.00LBS	
		3/22 1059 316 Date Time Tech Temp: 1.5 / 1.7 C Therm#: 6445 Corr Fact: 0.2 C	

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

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**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

*Project*  
**1055547**

Printed 05/09/2023 11:13

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Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



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## SAMPLE CROSS REFERENCE

Project

1055547

Printed

5/9/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2191102	Waste Water Sample# 237	04/25/2023	09:00:00	04/26/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1059822) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1059822) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 04 BOD Titration Beaker A (Batch 1060677) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 05 BOD Analytical Beaker B (Batch 1060677) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1060677	05/08/2023	1060677	05/08/2023
SM 2540 D-2015	01	1060243	04/28/2023	1060243	04/28/2023
SM 4500-H+ B-2011	01	1061144	05/04/2023	1061144	05/04/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



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AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1055547

Printed: 05/09/2023

## RESULTS

### Sample Results

**2191102** Waste Water Sample# 237

Received: 04/26/2023

Non-Potable Water

Collected by: Client  
Taken: 04/25/2023

Azteca Milling, LP  
09:00:00

PO: 4500896387

SM 2540 D-2015

Prepared: 1060243 04/28/2023 13:30:00 Analyzed 1060243 04/28/2023 13:30:00 LR3

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Total Suspended Solids</b>	<b>1520</b>	<b>mg/L</b>	133			01

SM 4500-H+ B-2011

Prepared: 1061144 05/04/2023 09:39:00 Analyzed 1061144 05/04/2023 09:39:00 SRJ

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Laboratory pH</b>	<b>11.8 @ 19 C</b>	<b>SU</b>	2.00			01

SM 5210 B-2016

Prepared: 1060677 05/03/2023 Analyzed 1060677 05/08/2023 11:59:15 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Biochemical Oxygen Demand (BOD5)</b>	<b>3650</b>	<b>mg/L</b>	250	H3	<b>1026-3</b>	01

### Sample Preparation

**2191102** Waste Water Sample# 237

Received: 04/26/2023

4500896387

04/25/2023

Prepared: 04/27/2023 10:02:29 Calculated 04/27/2023 10:02:29 CAL

**Environmental Fee (per Project)**

**Verified**

SM 2540 D-2011

Prepared: 1060100 04/28/2023 13:30:00 Analyzed 1060100 04/28/2023 13:30:00 LR3

**TSS Set Started**

**Started**



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1055547**

Printed: 05/09/2023

**2191102 Waste Water Sample# 237**

Received: 04/26/2023  
4500896387

04/25/2023

SM 5210 B-2016 Prepared: 1059822 04/27/2023 Analyzed 1059822 04/27/2023 05:59:53 JW1

NELAC BOD Set Started

Started

SM 5210 B-2016 Prepared: 1060677 05/03/2023 Analyzed 1060677 05/03/2023 05:56:55 JW1

NELAC BOD Set Started

Started

H3

Qualifiers:

3 - Sample originally analyzed within holding time. H - Sample started outside recommended holding time

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Trey Peery, MA, Project Manager



# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1055547**

Printed 05/09/2023

Analytical Set **1060677**

**SM 5210 B-2016**

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1060677	0.17	0.200	0.500	mg/L	124894994
Biochemical Oxygen Demand (BOD5)	1060677	0.17	0.200	0.500	mg/L	124895041
Biochemical Oxygen Demand (BOD5)	1060677	0.16	0.200	0.500	mg/L	124895088
Biochemical Oxygen Demand (BOD5)	1060677	0.17	0.200	0.500	mg/L	124895135

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2192490	12.5	11.3	mg/L	10.1	30.0
Biochemical Oxygen Demand (BOD5)	2192528	212	205	mg/L	3.36	30.0
Biochemical Oxygen Demand (BOD5)	2192679	235	215	mg/L	8.89	30.0
Biochemical Oxygen Demand (BOD5)	2192773	114	153	mg/L	29.2	30.0
Biochemical Oxygen Demand (BOD5)	2192908	5.48	5.72	mg/L	4.29	30.0
Biochemical Oxygen Demand (BOD5)	2192953	ND	3.88	mg/L	200 *	30.0
Biochemical Oxygen Demand (BOD5)	2193005	20.3	13.9	mg/L	37.4 *	30.0
Biochemical Oxygen Demand (BOD5)	2193061	10.2	29.5	mg/L	97.2 *	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1060677	0.747	0.200	0.500	mg/L	124894995
Biochemical Oxygen Demand (BOD5)	1060677	0.767	0.200	0.500	mg/L	124895042
Biochemical Oxygen Demand (BOD5)	1060677	0.750	0.200	0.500	mg/L	124895089
Biochemical Oxygen Demand (BOD5)	1060677	0.747	0.200	0.500	mg/L	124895136

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)	213	198	mg/L	108	83.7 - 116		124894996
Biochemical Oxygen Demand (BOD5)	201	198	mg/L	102	83.7 - 116		124895043
Biochemical Oxygen Demand (BOD5)	200	198	mg/L	101	83.7 - 116		124895090
Biochemical Oxygen Demand (BOD5)	219	198	mg/L	111	83.7 - 116		124895137

Analytical Set **1060243**

**SM 2540 D-2015**

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1060243	ND	2	2	mg/L	124885854

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1060243	0			grams	124885853

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2190962	85.5	87.3	mg/L	2.08	20.0
Total Suspended Solids	2191102	1250	1520	mg/L	19.5	20.0
Total Suspended Solids	2191177	76.0	72.0	mg/L	5.41	20.0



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# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1055547

Printed 05/09/2023

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1060243	49.0	50.0	mg/L	98.0	90.0 - 110	124885887

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids	100	100	mg/L	100	90.0 - 110		124885886

Analytical Set 1061144

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2190989	8.1	8.1	SU	0	20.0
Laboratory pH	2191616	8.4	8.5	SU	1.18	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1061144	7.02	7.00	SU	100	90.0 - 110	124911213
Laboratory pH	1061144	4.00	4.00	SU	100	90.0 - 110	124911214
Laboratory pH	1061144	10.05	10.00	SU	100	90.0 - 110	124911215
Laboratory pH	1061144	5.98	6.00	SU	99.7	90.0 - 110	124911216
Laboratory pH	1061144	8.00	8.00	SU	100	90.0 - 110	124911217
Laboratory pH	1061144	5.98	6.00	SU	99.7	90.0 - 110	124911229
Laboratory pH	1061144	8.00	8.00	SU	100	90.0 - 110	124911230
Laboratory pH	1061144	5.99	6.00	SU	99.8	90.0 - 110	124911242
Laboratory pH	1061144	7.99	8.00	SU	99.9	90.0 - 110	124911243

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



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2600 Dudley Rd. Kilgore, Texas 75662  
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0-00

**ANALAB**  
 Testing the Limits of Science and Service

**CHAIN OF CUSTODY**

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P.O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2191102  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

**Waste Water Sample# 237****Matrix: Non-Potable Water****Sample Collection Start**Date: 4-25-23 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐☒ **Polyethylene 1/2 gal (White)**

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

☒ **Polyethylene Quart**

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

**Ambient Conditions/Comments**

Date	Time	Relinquished	Received
4-25-23	11:04	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
4-25-23	17:30	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>FED EX</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
4/26/23	1020	Printed Name: <u>FED EX</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>RAYSHAWN THOMPSON ANALAB</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: <u>R-2</u> Affiliation: <u>[Signature]</u> Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



LDSClient v1.16.5.2013

NELAP-accredited #T104704201-20-17

Form tpcoc1N Created 12/13/2019 v1.6

1055547 CoC Print Group 001 of 001

207 ORIGIN ID: HRLA (956) 459-0629 JALME A. SALINAS ANA LAB / RVB 201 VILLAGE DR STE C FRODOSVILLE, TX 78521 UNITED STATES US		SHIP DATE: 25APR23 ACTWGT: 73.80 LB CAC: 688427 / SSF E2401 DIMS: 14x23x13 IN BILL THIRD PARTY	
LGGIN ANA LAB CORP 250C DUDLEY RD KILGORE TX 75662 (CITY) C3A - 9567 REF: DEPT:			
ZIP:		ZIP:	
Hold Weekday For 14-day return address (RST) 100. Not available for 1. No First Overweight		Hold Saturday For 14-day return address (RST) 100. Available only for 1. No First Overweight 2. No 1st Heavy Item 3. No 1st Heavy Item	
C. PLATE: (C) 000000		C. PLATE: (C) 000000	
ZIP:		ZIP:	
1020 1023 RT		1020 1023 RT	
Date Time Tech		Date Time Tech	
Therm#: 6444 Corr Fact: -0.1 C		Therm#: 6444 Corr Fact: -0.1 C	

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

*Project*  
**1059493**

Printed 06/02/2023 16:12

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1059493_r10_05_ProjectQC	SPL Kilgore Project P:1059493 C:AZM3 Project Quality Control Groups	2
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## SAMPLE CROSS REFERENCE

Project

1059493

Printed

6/2/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2199715	Waste Water Sample# 238	05/24/2023	09:00:00	05/25/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1064593) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1064593) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1064593	05/31/2023	1064593	05/31/2023
SM 2540 D-2015	01	1065202	05/30/2023	1065202	05/30/2023
SM 4500-H+ B-2011	01	1065681	06/02/2023	1065681	06/02/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



Report Page 2 of 8

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1059493

Printed: 06/02/2023

## RESULTS

### Sample Results

**2199715** Waste Water Sample# 238

Received: 05/25/2023

Non-Potable Water

Collected by: Client  
Taken: 05/24/2023

Azteca Milling, LP  
09:00:00

PO: 4500896387

SM 2540 D-2015

Prepared: 1065202 05/30/2023 11:15:00 Analyzed 1065202 05/30/2023 11:15:00 LR3

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Total Suspended Solids</b>	<b>684</b>	<b>mg/L</b>	80.0			01

SM 4500-H+ B-2011

Prepared: 1065681 06/02/2023 11:03:00 Analyzed 1065681 06/02/2023 11:03:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Laboratory pH</b>	<b>11.5@18C</b>	<b>SU</b>	2.00			01

SM 5210 B-2016

Prepared: 1064593 05/26/2023 Analyzed 1064593 05/31/2023 13:53:25 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
<b>Biochemical Oxygen Demand (BOD5)</b>	<b>3020</b>	<b>mg/L</b>	250	B	<b>1026-3</b>	01

### Sample Preparation

**2199715** Waste Water Sample# 238

Received: 05/25/2023

4500896387

05/24/2023

Prepared: 05/26/2023 13:34:34 Calculated 05/26/2023 13:34:34 CAL

**Environmental Fee (per Project)**

**Verified**

SM 2540 D-2011

Prepared: 1064074 05/30/2023 11:15:00 Analyzed 1064074 05/30/2023 11:15:00 LR3

**TSS Set Started**

**Started**



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1059493**

Printed: 06/02/2023

**2199715 Waste Water Sample# 238**

Received: 05/25/2023  
4500896387

05/24/2023

SM 5210 B-2016

Prepared: 1064593 05/26/2023

Analyzed 1064593 05/26/2023 05:43:22 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

B - Analyte detected in the associated method blank

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1059493**

Printed 06/02/2023

Analytical Set **1064593**

**SM 5210 B-2016**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1064593	0.20	0.200	0.500	mg/L	125006363
Biochemical Oxygen Demand (BOD5)	1064593	0.22	0.200	0.500	mg/L	* 125006410
Biochemical Oxygen Demand (BOD5)	1064593	0.18	0.200	0.500	mg/L	125006469

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2199639	8.80	8.04	mg/L	9.03	30.0
Biochemical Oxygen Demand (BOD5)	2199701	8.97	9.17	mg/L	2.21	30.0
Biochemical Oxygen Demand (BOD5)	2199730	2.61	2.45	mg/L	6.32	30.0
Biochemical Oxygen Demand (BOD5)	2199819	4.51	5.87	mg/L	26.2	30.0
Biochemical Oxygen Demand (BOD5)	2199862	5.16	3.12	mg/L	49.3	* 30.0
Biochemical Oxygen Demand (BOD5)	2199902	4.15	4.31	mg/L	3.78	30.0

### Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1064593	0.900	0.200	0.500	mg/L	125006364
Biochemical Oxygen Demand (BOD5)	1064593	0.917	0.200	0.500	mg/L	125006411
Biochemical Oxygen Demand (BOD5)	1064593	0.823	0.200	0.500	mg/L	125006470

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		230	198	mg/L	116	83.7 - 116	125006365
Biochemical Oxygen Demand (BOD5)		220	198	mg/L	111	83.7 - 116	125006412
Biochemical Oxygen Demand (BOD5)		222	198	mg/L	112	83.7 - 116	125006471

Analytical Set **1065202**

**SM 2540 D-2015**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1065202	ND	2	2	mg/L	125023114

### ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1065202	-0.0001			grams	125023113

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2199715	712	684	mg/L	4.01	20.0
Total Suspended Solids	2199717	88.0	72.0	mg/L	20.0	20.0
Total Suspended Solids	2199836	17.2	16.6	mg/L	3.55	20.0

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1065202	49.0	50.0	mg/L	98.0	90.0 - 110	125023147

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
------------------	---------------	----------------	--------------	--------------	-----------------	----------------	-------------



Report Page 5 of 8

# QUALITY CONTROL

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1059493

Printed 06/02/2023

Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	125023146

Analytical Set

1065681

SM 4500-H+ B-2011

Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2199715	11.6	11.5	SU	0.866	20.0
Laboratory pH	2200771	7.1	6.90	SU	2.86	20.0

Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1065681	7.02	7.00	SU	100	90.0 - 110	125034979
Laboratory pH	1065681	4.00	4.00	SU	100	90.0 - 110	125034980
Laboratory pH	1065681	10.04	10.00	SU	100	90.0 - 110	125034981
Laboratory pH	1065681	5.94	6.00	SU	99.0	90.0 - 110	125034982
Laboratory pH	1065681	8.03	8.00	SU	100	90.0 - 110	125034983
Laboratory pH	1065681	5.96	6.00	SU	99.3	90.0 - 110	125034995
Laboratory pH	1065681	8.06	8.00	SU	101	90.0 - 110	125034996
Laboratory pH	1065681	5.96	6.00	SU	99.3	90.0 - 110	125035008
Laboratory pH	1065681	8.07	8.00	SU	101	90.0 - 110	125035009

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



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1059493 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 P.O. Box 9000 Kilgore, Texas 75663  
 Office: 903-984-0551 \* Fax: 903-984-5914

**ANALAB**  
 Testing the Limits of Science and Service

# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number

2199715

PO Number

Phone

956/383-4911

## Waste Water Sample# 238

Matrix: Non-Potable Water

Sample Collection Start

Date: 5-24-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NELAP Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAP

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

☒ Polyethylene Quart

NELAP

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
5-24-23	10:13	Printed Name: Juan Martinez Signature: Juan Martinez Affiliation: AZM3	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL
5/24/23	11:13	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	Printed Name: [Signature] Signature: [Signature] Affiliation: FEDEX
5/25/23	1030	Printed Name: [Signature] Signature: [Signature] Affiliation: FEDEX	Printed Name: Jennifer Garrett SPL, Inc. Signature: [Signature] Affiliation: Jennifer Garrett SPL, Inc.
		Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



Report Page 7 of 8

1059493 CoC Print Group 001 of 001

8171 3103 9672 Form ID No: 0200

SHIP DATE: 24 MAY 2012  
ACTWT: 67.20 LB  
CRD: 6994257/SSFE  
DIMS: 23x14x13 IN  
BILL THIRD PARTY

ORIGIN ID: HRLA (555) 555-5555  
ANA LAB / RGV  
2401 VILLAGE DR STE C  
BROWNSVILLE, TX 77821  
UNITED STATES US

TO LOGIN  
ANA LAB CORP  
2600 DUDLEY RD  
KILGORE TX 75662  
(936) 884-0551 REF: DEPT:

4 Express Package Service \* To most locations.

**Next Business Day**

☐ FedEx First Overnight  
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Priority Overnight  
Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Standard Overnight  
Next business afternoon. Saturday Delivery NOT available.

**2 or 3 Business Days**

☐ FedEx 2Day A.M.  
Second business morning. Saturday Delivery NOT available.

☐ FedEx 2Day  
Second business afternoon. \* Thurs will be delivered on Monday unless Delivery is selected.

☐ FedEx Express Saver  
Third business day. Saturday Delivery NOT available.

5 Packaging \* Declared value limit \$500.

☐ FedEx Envelope\* ☐ FedEx Pak\* ☐ FedEx Box ☐ FedEx Tube

6 Special Handling and Delivery Signature Options Fees may apply. See t

☐ Saturday Delivery  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required  
Package may be left without obtaining a signature for delivery.

☐ Direct Signature  
Someone at Recipient's address may sign for delivery.

☐ Indirect Sign  
If no one is available, signed address may be residential delivery.

Does this shipment contain dangerous goods?  
Check how many has checked.

☐ Yes  
Shipper's Declaration not required.

☐ Dry Ice  
Dry Ice, UN 1845

☐ Cargo Aircraft

Hold Weekday  
FedEx location address  
REQUIRED. NOT available for  
FedEx First Overnight.

State: 5/25 Time: 11:10 AM Tech: C  
Date: 4.2/4.2  
Temp: 4.2/4.2  
Therm#: 6443 Corr Fact: 0.0 C

TRK# 8171 3103 9672  
0200

THU - 25 MAY  
PRIORITY C

XA GGGA

Rev. Date 3-24 - Part 167002 - © 2012-2021 FedEx - PRINTED IN U.S.A.

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Project  
**1063740**

Printed 07/07/2023 10:22

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1063740_r10_05_ProjectQC	SPL Kilgore Project P:1063740 C:AZM3 Project Quality Control Groups	2
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<b>Total Pages:</b>		<b>7</b>

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)





## SAMPLE CROSS REFERENCE

Project

1063740

Printed

7/7/2023

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
2209075	Waste Water Sample# 239	06/28/2023	09:00:00	06/29/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1070149) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1070149) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1070149	07/05/2023	1070149	07/05/2023
SM 2540 D-2015	01	1070350	06/30/2023	1070350	06/30/2023
SM 4500-H+ B-2011	01	1070279	06/30/2023	1070279	06/30/2023

Email: [projectmanager@ana-lab.com](mailto:projectmanager@ana-lab.com)



Report Page 2 of 8

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1063740

Printed: 07/07/2023

RESULTS

Sample Results

2209075	Waste Water Sample# 239	Received:	06/29/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4500896387
	Taken: 06/28/2023	09:00:00	

SM 2540 D-2015	Prepared:	1070350	06/30/2023	14:00:00	Analyzed	1070350	06/30/2023	14:00:00	LR3
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Total Suspended Solids	380	mg/L	33.3			01			

SM 4500-H+ B-2011	Prepared:	1070279	06/30/2023	09:40:00	Analyzed	1070279	06/30/2023	09:40:00	ESG
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Laboratory pH	11.4@18C	SU	2.00			01			

SM 5210 B-2016	Prepared:	1070149	06/30/2023		Analyzed	1070149	07/05/2023	14:48:20	JW1
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Biochemical Oxygen Demand (BOD5)	1960	mg/L	250		1026-3	01			

Sample Preparation

2209075	Waste Water Sample# 239	Received:	06/29/2023
	06/28/2023	4500896387	

Prepared:	07/07/2023	08:44:40	Calculated	07/07/2023	08:44:40	CAL
z	Environmental Fee (per Project)	Verified				

SM 2540 D-2011	Prepared:	1069920	06/29/2023	06:31:11	Analyzed	1069920	06/29/2023	06:31:11	LR3
NELAC	TSS Set Started	Started							



**AZM3-R**

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1063740**

Printed: 07/07/2023

**2209075 Waste Water Sample# 239**

Received: 06/29/2023  
4500896387

06/28/2023

SM 5210 B-2016

Prepared: 1070149 06/30/2023

Analyzed 1070149 06/30/2023 05:59:24 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1063740**

Printed 07/07/2023

Analytical Set **1070149**

**SM 5210 B-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1070149	0.1	0.200	0.500	mg/L	125145088
Biochemical Oxygen Demand (BOD5)	1070149	0.2	0.200	0.500	mg/L	125145138
Biochemical Oxygen Demand (BOD5)	1070149	0.1	0.200	0.500	mg/L	125145188

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2209073	108	87.2	mg/L	21.3	30.0
Biochemical Oxygen Demand (BOD5)	2209147	3.29	5.01	mg/L	41.4 *	30.0
Biochemical Oxygen Demand (BOD5)	2209226	722	716	mg/L	0.834	30.0
Biochemical Oxygen Demand (BOD5)	2209352	11.4	11.6	mg/L	1.74	30.0
Biochemical Oxygen Demand (BOD5)	2209415	21.2	21.3	mg/L	0.471	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1070149	0.877	0.200	0.500	mg/L	125145090
Biochemical Oxygen Demand (BOD5)	1070149	0.943	0.200	0.500	mg/L	125145140
Biochemical Oxygen Demand (BOD5)	1070149	0.927	0.200	0.500	mg/L	125145190

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	224	198	198	mg/L	113	83.7 - 116	125145091
Biochemical Oxygen Demand (BOD5)	219	198	198	mg/L	111	83.7 - 116	125145141
Biochemical Oxygen Demand (BOD5)	217	198	198	mg/L	110	83.7 - 116	125145191

Analytical Set **1070350**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1070350	ND	2	2	mg/L	125152415

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1070350	0			grams	125152414

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2208987	436	460	mg/L	5.36	20.0
Total Suspended Solids	2209643	9.20	10.0	mg/L	8.33	20.0
Total Suspended Solids	2209652	ND	ND	mg/L		20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1070350	55.0	50.0	mg/L	110	90.0 - 110	125152448

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids	108	100	100	mg/L	108	90.0 - 110	125152447



Report Page 5 of 8

## AZM3-R

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Project

1063740

Printed 07/07/2023

Analytical Set 1070279

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2208159	8.10	8.10	SU	0	20.0
Laboratory pH	2209191	7.20	7.20	SU	0	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1070279	7.02	7.00	SU	100	90.0 - 110	125148707
Laboratory pH	1070279	4.00	4.00	SU	100	90.0 - 110	125148708
Laboratory pH	1070279	10.05	10.00	SU	100	90.0 - 110	125148709
Laboratory pH	1070279	6.02	6.00	SU	100	90.0 - 110	125148710
Laboratory pH	1070279	8.00	8.00	SU	100	90.0 - 110	125148711
Laboratory pH	1070279	6.02	6.00	SU	100	90.0 - 110	125148723
Laboratory pH	1070279	8.03	8.00	SU	100	90.0 - 110	125148724
Laboratory pH	1070279	6.03	6.00	SU	100	90.0 - 110	125148733
Laboratory pH	1070279	7.98	8.00	SU	99.8	90.0 - 110	125148734

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



4. WENT COCs ON SINGLE PROJECT? YES NO

Printed 02/25/2021 Page 1 of 2

Phone 956/383-4911

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

Form rptcoc1N Created 12/13/2019 v1.0.

1063740 CoC Print Group 001 of 001

ORIGIN ID: HRLA (555) 555-5555  
LAB / RGV  
VILLAGE DR STE C  
BROOKSVILLE, TX 78521  
UNITED STATES US

SHIP DATE: 28 JUN 23  
ACTWT: 72.80 LB  
CAD: 6994257/SSFE2422  
DIMS: 24x14x13 IN  
BILL THIRD PARTY

TO: LOGIN  
ANA LABS  
DUDLEY RD  
BEGORE TX 75662

0651 REF: DEPT: 1

**FedEx**  
Express  
**E**

TRK# 8171 3103 5140  
0200 THU - 29 JUN 10:30A  
PRIORITY OVERNIGHT

6/29 1040 CP 75662  
Date Time Tech -US SHV  
Temp: 4.6 / 4.6 C  
Therm#: 6443 Corr Fact: 0.0 C

*Project*  
**1065660**

Printed 07/20/2023 11:14

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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<b>Total Pages:</b>		<b>7</b>

Email: Kilgore.projectmanager@spl-inc.com



Report Page 1 of 8



# SAMPLE CROSS REFERENCE

Project  
**1065660**

Printed 7/20/2023 Page 1 of 1

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
<b>2213246</b>	Waste Water Sample# 240	07/12/2023	09:00:00	07/13/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1072080) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1072080) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1072080	07/19/2023	1072080	07/19/2023
SM 2540 D-2015	01	1072516	07/14/2023	1072516	07/14/2023
SM 4500-H+ B-2011	01	1072486	07/18/2023	1072486	07/18/2023

Email: Kilgore.projectmanager@spl-inc.com



Report Page 2 of 8

**AZM3-R**

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Project  
**1065660**

Printed: 07/20/2023

## RESULTS

### Sample Results

**2213246** Waste Water Sample# 240

Received: 07/13/2023

Non-Potable Water

Collected by: Client  
 Taken: 07/12/2023

Azteca Milling, LP  
 09:00:00

PO: 4500896387

SM 2540 D-2015

Prepared: 1072516 07/14/2023 09:00:00 Analyzed 1072516 07/14/2023 09:00:00 SLS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	509	mg/L	57.1			01

SM 4500-H+ B-2011

Prepared: 1072486 07/18/2023 09:45:00 Analyzed 1072486 07/18/2023 09:45:00 JK1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	11.7 @ 18 C	SU	2.00			01

SM 5210 B-2016

Prepared: 1072080 07/14/2023 Analyzed 1072080 07/19/2023 12:28:45 LR3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	1300		250		1026-3	01

### Sample Preparation

**2213246** Waste Water Sample# 240

Received: 07/13/2023

07/12/2023

4500896387

Prepared: 07/14/2023 09:38:15 Calculated 07/14/2023 09:38:15 CAL

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared: 1071979 07/14/2023 09:00:00 Analyzed 1071979 07/14/2023 09:00:00 SLS

NELAC TSS Set Started

Started



Report Page 3 of 8

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1065660

Printed: 07/20/2023

2213246 Waste Water Sample# 240

Received: 07/13/2023  
4500896387

07/12/2023

SM 5210 B-2016

Prepared: 1072080 07/14/2023

Analyzed 1072080 07/14/2023 05:48:56 LR3

NELAC BOD Set Started

Started

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore Laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Trey Peery, MA, Project Manager



Report Page 4 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1065660

Printed 07/20/2023

Analytical Set 1072080

SM 5210 B-2016

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1072080	0.1	0.200	0.500	mg/L	125197807
Biochemical Oxygen Demand (BOD5)	1072080	0.1	0.200	0.500	mg/L	125197857
Biochemical Oxygen Demand (BOD5)	1072080	0.08	0.200	0.500	mg/L	125197907

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2213258	34.8	29.0	mg/L	18.7	30.0
Biochemical Oxygen Demand (BOD5)	2213364	23.1	10.9	mg/L	71.8 *	30.0
Biochemical Oxygen Demand (BOD5)	2213437	140	140	mg/L	0	30.0
Biochemical Oxygen Demand (BOD5)	2213602	5.28	4.08	mg/L	25.6	30.0
Biochemical Oxygen Demand (BOD5)	2213664	156	156	mg/L	0	30.0
Biochemical Oxygen Demand (BOD5)	2213753	3.40	4.36	mg/L	24.7	30.0

### Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1072080	0.803	0.200	0.500	mg/L	125197809
Biochemical Oxygen Demand (BOD5)	1072080	0.873	0.200	0.500	mg/L	125197859
Biochemical Oxygen Demand (BOD5)	1072080	0.900	0.200	0.500	mg/L	125197909

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		212	198	mg/L	107	83.7 - 116	125197810
Biochemical Oxygen Demand (BOD5)		214	198	mg/L	108	83.7 - 116	125197860
Biochemical Oxygen Demand (BOD5)		203	198	mg/L	103	83.7 - 116	125197910

Analytical Set 1072516

SM 2540 D-2015

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1072516	ND	2	2	mg/L	125211864

### ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1072516	-0.0003			grams	125211863

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2213075	65.7	63.0	mg/L	4.20	20.0
Total Suspended Solids	2213246	526	509	mg/L	3.29	20.0
Total Suspended Solids	2213264	138	142	mg/L	2.86	20.0

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1072516	48.0	50.0	mg/L	96.0	90.0 - 110	125211897

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
------------------	---------------	----------------	--------------	--------------	-----------------	----------------	-------------



Report Page 5 of 8

# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

*Project*  
**1065660**

Printed 07/20/2023

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>98.0</b>	<b>100</b>	<b>mg/L</b>	<b>98.0</b>	<b>90.0 - 110</b>	<b>125211896</b>

Analytical Set

**1072486**

**SM 4500-H+ B-2011**

Duplicate							
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>		<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	<b>2212983</b>	<b>7.70</b>	<b>7.60</b>		<b>SU</b>	1.31	20.0
Laboratory pH	<b>2213388</b>	<b>8.40</b>	<b>8.40</b>		<b>SU</b>	0	20.0

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	<b>1072486</b>	<b>6.05</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>125210509</b>
Laboratory pH	<b>1072486</b>	<b>8.00</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125210510</b>
Laboratory pH	<b>1072486</b>	<b>6.05</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>125210522</b>
Laboratory pH	<b>1072486</b>	<b>8.04</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125210523</b>
Laboratory pH	<b>1072486</b>	<b>6.04</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>125210535</b>
Laboratory pH	<b>1072486</b>	<b>8.04</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125210536</b>

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

1065660 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
P.O. Box 9000 Kilgore, Texas 75663  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
SUB:  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO

**ANALAB**  
Testing the Limits of Science and Service

# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2213246  
PO Number \_\_\_\_\_  
Phone 956/383-4911

**Waste Water Sample# 240**

*Matrix: Non-Potable Water*

Sample Collection Start

Date: 7-12-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NEIAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NEIAC

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

☒ Polyethylene Quart

NEIAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
July-12-23	11:35 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
7-12-23	1730	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>[Signature]</u>
7/13/23	1100	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>[Signature]</u>	Printed Name: <u>Chadler Parker SPL, Inc.</u> Affiliation: <u>Chadler Parker SPL, Inc.</u> Signature: <u>[Signature]</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



See Attached for  
Tracking # and Temp



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

Report Page 7 of 8

1065660 CoC Print Group 001 of 001

HRCA (555) 555-5555  
RGV  
AGE DR STE C  
LEV TX 78521  
ATES US

SHIP DATE: 12 JUL 23  
ACTWGT: 72.40 LB  
CAD: 6884257/SSFE2422  
DIMS: 24x14x13 IN  
BILL THIRD PARTY

LAB  
DUDLEY RD  
DRE TX 75662

7/13/2016  
Time 1:16/1:16  
Temp: 1.6/1.6  
Therm#: 6443 Corr Fact: 0.0 C


2 of 2  
7/13/2016 6088  
# 173103 9455  
A GGGA

THU - 13 JUL 10:30A  
PRIORITY OVERNIGHT  
AHS  
75662  
TX-US SHV

BdEx  
Express  
E

12

Part # 15025-808-8000-EXP 04/24



Project  
1069861

Printed 08/24/2023 17:50

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

TABLE OF CONTENTS

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1069861_r02_01_ProjectSamples	SPL Kilgore Project P:1069861 C:AZM3 Project Sample Cross Reference t:304	1
1069861_r03_03_ProjectResults	SPL Kilgore Project P:1069861 C:AZM3 Project Results t:304 PO: 4500896387	2
1069861_r10_05_ProjectQC	SPL Kilgore Project P:1069861 C:AZM3 Project Quality Control Groups	2
1069861_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1069861_1_of_1	2
Total Pages:		7

Email: Kilgore.projectmanager@spl-inc.com







SAMPLE CROSS REFERENCE

Project  
1069861

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 8/24/2023 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2223066	Waste Water Sample# 241	08/15/2023	09:00:00	08/16/2023

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1077524) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1077524) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1077524	08/22/2023	1077524	08/22/2023
SM 2540 D-2015	01	1077907	08/17/2023	1077907	08/17/2023
SM 4500-H+ B-2011	01	1078565	08/23/2023	1078565	08/23/2023

Email: Kilgore.projectmanager@spl-inc.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project

1069861

Printed: 08/24/2023

RESULTS

Sample Results

2223066	Waste Water Sample# 241	Received:	08/16/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4500896387
	Taken: 08/15/2023	09:00:00	

SM 2540 D-2015		Prepared:	1077907	08/17/2023	14:30:00	Analyzed	1077907	08/17/2023	14:30:00	SLS
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Total Suspended Solids	676	mg/L	80.0					01	

SM 4500-H+ B-2011		Prepared:	1078565	08/23/2023	14:01:00	Analyzed	1078565	08/23/2023	14:01:00	ALH
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Laboratory pH	12.1@16C	SU	2.00					01	

SM 5210 B-2016		Prepared:	1077524	08/17/2023		Analyzed	1077524	08/22/2023	12:29:30	JWI
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Biochemical Oxygen Demand (BOD5)	427	mg/L	250		1026-3			01	

Sample Preparation

2223066	Waste Water Sample# 241	Received:	08/16/2023
		08/15/2023	4500896387

		Prepared:	08/17/2023	10:40:04	Calculated	08/17/2023	10:40:04	CA
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared:	1077243	08/17/2023	14:30:00	Analyzed	1077243	08/17/2023	14:30:00	SLS
NELAC	TSS Set Started	Started								



## AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1069861**

Printed: 08/24/2023

**2223066** Waste Water Sample# 241

Received: 08/16/2023  
4500896387

08/15/2023

SM 5210 B-2016

Prepared: 1077524 08/17/2023

Analyzed 1077524 08/17/2023 06:04:58 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1069861

Printed 08/24/2023

Analytical Set 1077524

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1077524	0.07	0.200	0.500	mg/L	125341612
Biochemical Oxygen Demand (BOD5)	1077524	0.1	0.200	0.500	mg/L	125341662
Biochemical Oxygen Demand (BOD5)	1077524	0.08	0.200	0.500	mg/L	125341712
Biochemical Oxygen Demand (BOD5)	1077524	0.1	0.200	0.500	mg/L	125341766

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2222905	55.1	52.5	mg/L	4.83	30.0
Biochemical Oxygen Demand (BOD5)	2222907	14.3	15.4	mg/L	7.41	30.0
Biochemical Oxygen Demand (BOD5)	2222947	1720	1640	mg/L	4.76	30.0
Biochemical Oxygen Demand (BOD5)	2223021	14.5	14.3	mg/L	1.39	30.0
Biochemical Oxygen Demand (BOD5)	2223127	6.44	5.96	mg/L	7.74	30.0
Biochemical Oxygen Demand (BOD5)	2223281	19.4	19.1	mg/L	1.56	30.0
Biochemical Oxygen Demand (BOD5)	2223327	5.92	5.96	mg/L	0.673	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1077524	1.09	0.200	0.500	mg/L	125341614
Biochemical Oxygen Demand (BOD5)	1077524	1.04	0.200	0.500	mg/L	125341664
Biochemical Oxygen Demand (BOD5)	1077524	1.15	0.200	0.500	mg/L	125341714
Biochemical Oxygen Demand (BOD5)	1077524	1.23	0.200	0.500	mg/L	125341768

### Standard

<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Biochemical Oxygen Demand (BOD5)		226	198	mg/L	114	83.7 - 116	125341615
Biochemical Oxygen Demand (BOD5)		224	198	mg/L	113	83.7 - 116	125341665
Biochemical Oxygen Demand (BOD5)		212	198	mg/L	107	83.7 - 116	125341715
Biochemical Oxygen Demand (BOD5)		195	198	mg/L	98.5	83.7 - 116	125341769

Analytical Set 1077907

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1077907	ND	2	2	mg/L	125352432

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1077907	0			grams	125352431

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2222963	3900	3780	mg/L	3.12	20.0
Total Suspended Solids	2222964	697	680	mg/L	2.47	20.0
Total Suspended Solids	2223066	684	676	mg/L	1.18	20.0



Report Page 5 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project  
1069861

Printed 08/24/2023

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1077907	50.0	50.0	mg/L	100	90.0 - 110	125352465

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	125352464

Analytical Set 1078565

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2223054	8.00	8.00	SU	0	20.0
Laboratory pH	2223429	7.90	7.80	SU	1.27	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1078565	7.00	7.00	SU	100	90.0 - 110	125371368
Laboratory pH	1078565	4.00	4.00	SU	100	90.0 - 110	125371369
Laboratory pH	1078565	10.0	10.0	SU	100	90.0 - 110	125371370
Laboratory pH	1078565	6.00	6.00	SU	100	90.0 - 110	125371371
Laboratory pH	1078565	7.90	8.00	SU	98.8	90.0 - 110	125371372
Laboratory pH	1078565	5.90	6.00	SU	98.3	90.0 - 110	125371384
Laboratory pH	1078565	7.90	8.00	SU	98.8	90.0 - 110	125371385
Laboratory pH	1078565	6.00	6.00	SU	100	90.0 - 110	125371397
Laboratory pH	1078565	7.90	8.00	SU	98.8	90.0 - 110	125371398

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

1069861 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 P.O. Box 9000 Kilgore, Texas 75663  
 Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
 SUB: \_\_\_\_\_  
 ALL CLIENTS \_\_\_\_\_ SINGLE  
 PROJECT? YES NO

**ANALAB**  
 Testing the Limits of Science and Service

# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2223066  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

**Waste Water Sample# 241**

Matrix: Non-Potable Water

## Sample Collection Start

Date: 8-15-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

**1 Polyethylene 1/2 gal (White)**

NELAP Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAP

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

**1 Polyethylene Quart**

NELAP

pHLL

Laboratory pH

SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
8-15-23	11:00 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
8-15-23	17:30	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>	Printed Name: <u>Fed Ex</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
8/16/23	10:15	Printed Name: <u>[Signature]</u> Affiliation: <u>Fed Ex</u> Signature: <u>[Signature]</u>	Printed Name: <u>Christl Parker SPL, Inc.</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____

See Attached for  
 Tracking # and Temp



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

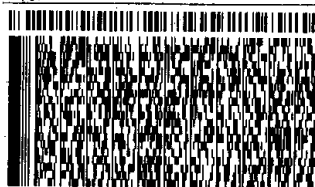


Report Page 7 of 8

Part # 15629/-435 HRDB2 EXP 02/24

**REF :**

## DEPT 135



TX-US SHV

**XA GGGA**

8/16 1025  
Date Time Tech  
Temp: 0.4 / 0.4 °C  
Therm#: 8443 Corr Fact: 0.0 °C

Project  
1073238

Printed 09/27/2023 10:44

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

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1073238_r10_05_ProjectQC	SPL Kilgore Project P:1073238 C:AZM3 Project Quality Control Groups	3
1073238_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1073238_1_of_1	2
Total Pages:		9

Email: Kilgore.projectmanager@spl-inc.com





## SAMPLE CROSS REFERENCE

Project  
**1073238**

Printed 9/27/2023 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
<b>2230897</b>	Waste Water Sample# 242	09/13/2023	09:00:00	09/14/2023

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 BOD Titration Beaker A (Batch 1081767) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 03 BOD Analytical Beaker B (Batch 1081767) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 04 BOD Titration Beaker A (Batch 1082589) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Bottle 05 BOD Analytical Beaker B (Batch 1082589) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1082589	09/26/2023	1082589	09/26/2023
SM 5210 B-2016	01	1081767	09/20/2023	1081767	09/20/2023
SM 2540 D-2015	01	1082180	09/18/2023	1082180	09/18/2023
SM 4500-H+ B-2011	01	1082344	09/19/2023	1082344	09/19/2023

Email: [Kilgore.projectmanager@spl-inc.com](mailto:Kilgore.projectmanager@spl-inc.com)



Report Page 2 of 10

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 3

Project

1073238

Printed: 09/27/2023

RESULTS

Sample Results

2230897	Waste Water Sample# 242	Received:	09/14/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 09/13/2023	09:00:00	4500896387

SM 2540 D-2015		Prepared:	1082180	09/18/2023	08:30:00	Analyzed	1082180	09/18/2023	08:30:00	SLS
Parameter		Results	Units	RL		Flags	CAS			Bottle
NELAC	Total Suspended Solids	710	mg/L	100						01

SM 4500-H+ B-2011		Prepared:	1082344	09/19/2023	16:34:00	Analyzed	1082344	09/19/2023	16:34:00	ALH
Parameter		Results	Units	RL		Flags	CAS			Bottle
NELAC	Laboratory pH	11.6@16C	SU	2.00						01

SM 5210 B-2016		Prepared:	1081767	09/15/2023		Analyzed	1081767	09/20/2023	11:55:37	JW1
Parameter		Results	Units	RL		Flags	CAS			Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	3810	mg/L	250		E	1026-3			01

SM 5210 B-2016		Prepared:	1082589	09/21/2023		Analyzed	1082589	09/26/2023	11:56:18	LR3
Parameter		Results	Units	RL		Flags	CAS			Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	3480	mg/L	1000		H3	1026-3			01

Sample Preparation

2230897	Waste Water Sample# 242	Received:	09/14/2023
			4500896387
	09/13/2023		

		Prepared:	09/15/2023	10:02:16	Calculated	09/15/2023	10:02:16	CAL
z	Environmental Fee (per Project)	Verified						



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 3

Project

1073238

Printed: 09/27/2023

2230897	Waste Water Sample# 242	Received: 09/14/2023
		4500896387
	09/13/2023	

SM 2540 D-2011	Prepared: 1081882 09/18/2023 08:30:00	Analyzed 1081882 09/18/2023 08:30:00	SLS
NELAC TSS Set Started	Started		
SM 5210 B-2016	Prepared: 1081767 09/15/2023	Analyzed 1081767 09/15/2023 06:02:30	JW1
NELAC BOD Set Started	Started		
SM 5210 B-2016	Prepared: 1082589 09/21/2023	Analyzed 1082589 09/21/2023 06:46:34	LR3
NELAC BOD Set Started	Started	H3	

Qualifiers:

E - Estimated Value      3 - Sample originally analyzed within holding time.  
H - Sample started outside recommended holding time

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Page 3 of 3

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1073238

Printed: 09/27/2023

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 5 of 10

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 3

Project  
1073238

Printed 09/27/2023

Analytical Set 1081767

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1081767	0.1	0.200	0.500	mg/L	125439430
Biochemical Oxygen Demand (BOD5)	1081767	0.2	0.200	0.500	mg/L	125439482
Biochemical Oxygen Demand (BOD5)	1081767	0.1	0.200	0.500	mg/L	125439534
Biochemical Oxygen Demand (BOD5)	1081767	0.08	0.200	0.500	mg/L	125439584

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2230847	11.5	11.7	mg/L	1.72	30.0
Biochemical Oxygen Demand (BOD5)	2230896	856	900	mg/L	5.01	30.0
Biochemical Oxygen Demand (BOD5)	2230970	4.33	3.77	mg/L	13.8	30.0
Biochemical Oxygen Demand (BOD5)	2231089	25.2	20.2	mg/L	22.0	30.0
Biochemical Oxygen Demand (BOD5)	2231170	5.13	4.93	mg/L	3.98	30.0
Biochemical Oxygen Demand (BOD5)	2231254	5.21	6.41	mg/L	20.7	30.0
Biochemical Oxygen Demand (BOD5)	2231329	1120	1220	mg/L	8.55	30.0
Biochemical Oxygen Demand (BOD5)	2231399	3.65	3.41	mg/L	6.80	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1081767	0.853	0.200	0.500	mg/L	125439432
Biochemical Oxygen Demand (BOD5)	1081767	0.797	0.200	0.500	mg/L	125439484
Biochemical Oxygen Demand (BOD5)	1081767	0.937	0.200	0.500	mg/L	125439536
Biochemical Oxygen Demand (BOD5)	1081767	0.897	0.200	0.500	mg/L	125439586

### Standard

<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Biochemical Oxygen Demand (BOD5)		<b>229</b>	<b>198</b>	<b>mg/L</b>	<b>116</b>	<b>83.7 - 116</b>	<b>125439433</b>
Biochemical Oxygen Demand (BOD5)		<b>217</b>	<b>198</b>	<b>mg/L</b>	<b>110</b>	<b>83.7 - 116</b>	<b>125439485</b>
Biochemical Oxygen Demand (BOD5)		<b>212</b>	<b>198</b>	<b>mg/L</b>	<b>107</b>	<b>83.7 - 116</b>	<b>125439537</b>
Biochemical Oxygen Demand (BOD5)		<b>213</b>	<b>198</b>	<b>mg/L</b>	<b>108</b>	<b>83.7 - 116</b>	<b>125439587</b>

Analytical Set 1082589

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1082589	0.08	0.200	0.500	mg/L	125456780
Biochemical Oxygen Demand (BOD5)	1082589	0.08	0.200	0.500	mg/L	125456832
Biochemical Oxygen Demand (BOD5)	1082589	0.2	0.200	0.500	mg/L	125456882
Biochemical Oxygen Demand (BOD5)	1082589	0.1	0.200	0.500	mg/L	125456932

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2232291	ND	ND	mg/L		30.0
Biochemical Oxygen Demand (BOD5)	2232321	3.32	ND	mg/L	200 *	30.0
Biochemical Oxygen Demand (BOD5)	2232374	752	712	mg/L	5.46	30.0
Biochemical Oxygen Demand (BOD5)	2232512	4.33	5.73	mg/L	27.8	30.0



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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 3

*Project*  
**1073238**

Printed 09/27/2023

## Duplicate

<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Biochemical Oxygen Demand (BOD5)	2232570	8800	9080	mg/L	3.13	30.0
Biochemical Oxygen Demand (BOD5)	2232751	81.7	90.2	mg/L	9.89	30.0
Biochemical Oxygen Demand (BOD5)	2232803	25.6	27.6	mg/L	7.52	30.0

## Seed Drop

<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>
Biochemical Oxygen Demand (BOD5)	1082589	0.820	0.200	0.500	mg/L	125456782
Biochemical Oxygen Demand (BOD5)	1082589	0.737	0.200	0.500	mg/L	125456834
Biochemical Oxygen Demand (BOD5)	1082589	0.747	0.200	0.500	mg/L	125456884
Biochemical Oxygen Demand (BOD5)	1082589	0.683	0.200	0.500	mg/L	125456934

## Standard

<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	125456783
Biochemical Oxygen Demand (BOD5)		217	198	mg/L	110	83.7 - 116	125456835
Biochemical Oxygen Demand (BOD5)		217	198	mg/L	110	83.7 - 116	125456885
Biochemical Oxygen Demand (BOD5)		227	198	mg/L	115	83.7 - 116	125456935

Analytical Set 1082180

SM 2540 D-2015

## Blank

<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>
Total Suspended Solids	1082180	ND	2	2	mg/L	125449832

## ControlBlk

<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>
Total Suspended Solids	1082180	-0.0002			grams	125449831

## Duplicate

<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Total Suspended Solids	2230847	44.0	50.0	mg/L	12.8	20.0
Total Suspended Solids	2230851	136	136	mg/L	0	20.0
Total Suspended Solids	2230935	106	105	mg/L	0.948	20.0

## LCS

<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Total Suspended Solids	1082180	51.0	50.0	mg/L	102	90.0 - 110	125449865

## Standard

<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Total Suspended Solids		96.0	100	mg/L	96.0	90.0 - 110	125449864

Analytical Set 1082344

SM 4500-H+ B-2011

## Duplicate

<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Laboratory pH	2231157	7.40	7.40	SU	0	20.0
Laboratory pH	2231815	8.70	8.70	SU	0	20.0



Report Page 7 of 10

# QUALITY CONTROL



Page 3 of 3

**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

*Project*

**1073238**

Printed 09/27/2023

Standard							
<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Laboratory pH	1082344	6.99	7.00	SU	99.9	90.0 - 110	125452616
Laboratory pH	1082344	3.97	4.00	SU	99.2	90.0 - 110	125452617
Laboratory pH	1082344	10.0	10.0	SU	100	90.0 - 110	125452618
Laboratory pH	1082344	5.97	6.00	SU	99.5	90.0 - 110	125452619
Laboratory pH	1082344	7.96	8.00	SU	99.5	90.0 - 110	125452620
Laboratory pH	1082344	6.02	6.00	SU	100	90.0 - 110	125452631
Laboratory pH	1082344	7.99	8.00	SU	99.9	90.0 - 110	125452632
Laboratory pH	1082344	6.01	6.00	SU	100	90.0 - 110	125452639

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 8 of 10

1073238 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 P.O. Box 9000 Kilgore, Texas 75663  
 Office: 903-984-0551 \* Fax: 903-984-5914

PAID \$ 8.00 TT  
 COs ON SINGLE  
 PROJECT YES NO

**ANALAB**  
 Testing the Limits of Science and Service

# CHAIN OF CUSTODY

Printed 02/25/2021

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2230897  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

**Waste Water Sample#** 242

*Matrix: Non-Potable Water*

Sample Collection Start

Date: 9-13-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

**1** Polyethylene 1/2 gal (White)

NELAP Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAP

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

**1** Polyethylene Quart

NELAP

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
9-13-23	10:30 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
9/13/23	730 AM	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
9/14/23	1050	Printed Name: <u>[Signature]</u> Affiliation: <u>FedEx</u> Signature: <u>[Signature]</u>	Printed Name: <u>Dayshawn Thompson SPL, Inc.</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



Not Attached for  
 Toxicology and Temp

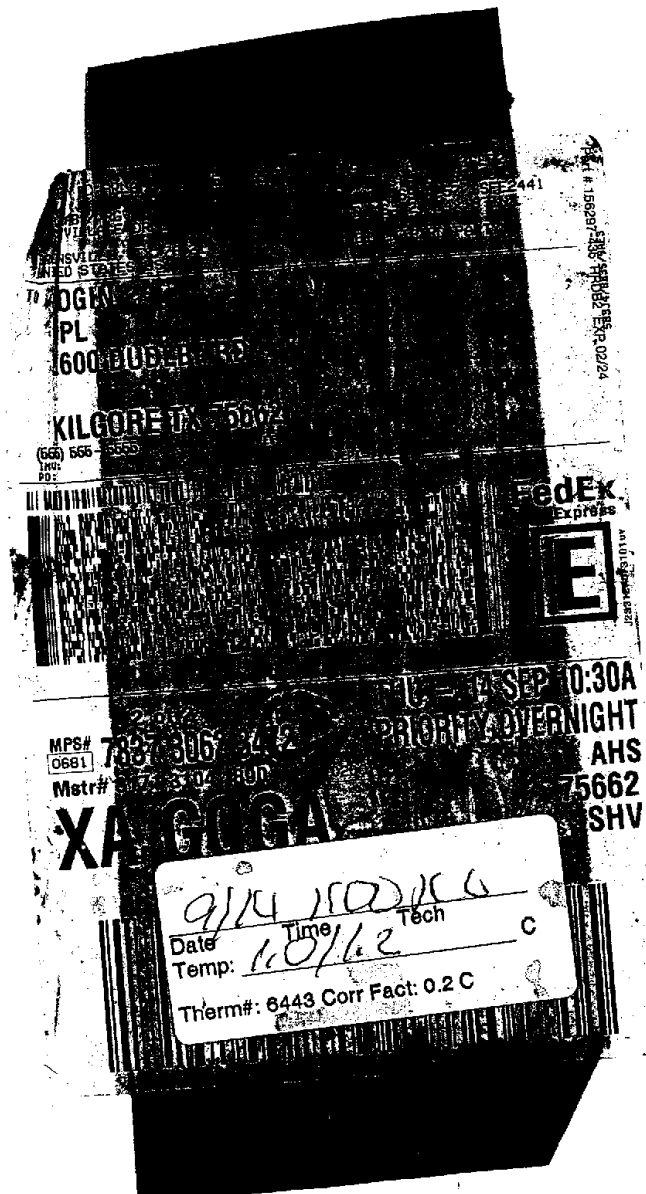
RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



Report Page 9 of 10



1073238 CoC Print Group 001 of 001



Project  
1077622

Printed 01/18/2024 12:01

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

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1077622_r10_05_ProjectQC	SPL Kilgore Project P:1077622 C:AZM3 Project Quality Control Groups	2
1077622_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1077622_1_of_1	2
Total Pages:		7

Email: Kilgore.projectmanager@spl-inc.com





SAMPLE CROSS REFERENCE

Project  
1077622

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 1/18/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2241311	Waste Water Sample# 243	10/18/2023	09:00:00	10/19/2023

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1086932) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1086932) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1086932	10/25/2023	1086932	10/25/2023
SM 2540 D-2015	01	1087550	10/23/2023	1087550	10/23/2023
SM 4500-H+ B-2011	01	1087101	10/20/2023	1087101	10/20/2023

Email: Kilgore.projectmanager@spl-inc.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project

1077622

Printed: 01/18/2024

RESULTS

Sample Results

2241311	Waste Water Sample# 243	Received:	10/19/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4500896387
	Taken: 10/18/2023	09:00:00	

SM 2540 D-2015		Prepared: 1087550 10/23/2023		14:15:00	Analyzed	1087550 10/23/2023	14:15:00	LR3
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Total Suspended Solids	1230	mg/L	50.0	D		01	

SM 4500-H+ B-2011		Prepared: 1087101 10/20/2023		12:50:00	Analyzed	1087101 10/20/2023	12:50:00	ALH
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Laboratory pH	12.0@18C	SU	2.00			01	

SM 5210 B-2016		Prepared: 1086932 10/20/2023			Analyzed	1086932 10/25/2023	12:57:27	LR3
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Biochemical Oxygen Demand (BOD5)	1490	mg/L	250		1026-3	01	

Sample Preparation

2241311	Waste Water Sample# 243	Received:	10/19/2023
			4500896387
	10/18/2023		

		Prepared:	10/20/2023	17:34:16	Calculated	10/20/2023	17:34:16	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared: 1086821 10/23/2023		14:15:00	Analyzed	1086821 10/23/2023	14:15:00	LR3
NELAC	TSS Set Started	Started						



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
**1077622**

Printed: 01/18/2024

**2241311** Waste Water Sample# 243

Received: 10/19/2023  
4500896387

10/18/2023

SM 5210 B-2016

Prepared: 1086932 10/20/2023

Analyzed 1086932 10/20/2023 07:00:28 LR3

NELAC **BOD Set Started**

**Started**

Qualifiers:

D - Duplicate RPD was higher than expected

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc. - Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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*Project*  
**1077622**

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Analytical Set **1086932**

**SM 5210 B-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1086932	-0.04	0.200	0.500	mg/L	125551936
Biochemical Oxygen Demand (BOD5)	1086932	0.08	0.200	0.500	mg/L	125551986
Biochemical Oxygen Demand (BOD5)	1086932	0.005	0.200	0.500	mg/L	125552042
Biochemical Oxygen Demand (BOD5)	1086932	0.03	0.200	0.500	mg/L	125552092

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2241191	6.45	6.01	mg/L	7.06	30.0
Biochemical Oxygen Demand (BOD5)	2241289	10.1	16.7	mg/L	49.3 *	30.0
Biochemical Oxygen Demand (BOD5)	2241304	4.51	5.51	mg/L	20.0	30.0
Biochemical Oxygen Demand (BOD5)	2241449	26.3	18.3	mg/L	35.9 *	30.0
Biochemical Oxygen Demand (BOD5)	2241543	6.23	6.43	mg/L	3.16	30.0
Biochemical Oxygen Demand (BOD5)	2241570	1440	1230	mg/L	15.7	30.0
Biochemical Oxygen Demand (BOD5)	2241584	375	359	mg/L	4.36	30.0
Biochemical Oxygen Demand (BOD5)	2241623	178	206	mg/L	14.6	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1086932	0.767	0.200	0.500	mg/L	125551938
Biochemical Oxygen Demand (BOD5)	1086932	0.693	0.200	0.500	mg/L	125551988
Biochemical Oxygen Demand (BOD5)	1086932	1.25	0.200	0.500	mg/L	125552044
Biochemical Oxygen Demand (BOD5)	1086932	1.17	0.200	0.500	mg/L	125552094

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	226	198	mg/L	114	83.7 - 116		125551939
Biochemical Oxygen Demand (BOD5)	226	198	mg/L	114	83.7 - 116		125551989
Biochemical Oxygen Demand (BOD5)	213	198	mg/L	108	83.7 - 116		125552045
Biochemical Oxygen Demand (BOD5)	212	198	mg/L	107	83.7 - 116		125552095

Analytical Set **1087550**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1087550	ND	2	2	mg/L	125567899

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1087550	-0.0002			grams	125567898

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2241216	181	193	mg/L	6.42	20.0
Total Suspended Solids	2241297	66.8	84.0	mg/L	22.8 *	20.0
Total Suspended Solids	2241311	1580	1230	mg/L	24.9 *	20.0



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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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*Project*  
**1077622**

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## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1087550	53.0	50.0	mg/L	106	90.0 - 110	125567932

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids	102	100	mg/L	102	90.0 - 110		125567931

Analytical Set 1087101

SM 4500-H+ B-2011

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	2241265	5.80	5.80	SU	0	20.0
Laboratory pH	2241477	8.50	8.50	SU	0	20.0

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	1087101	7.00	7.00	SU	100	90.0 - 110	125557009
Laboratory pH	1087101	3.97	4.00	SU	99.2	90.0 - 110	125557010
Laboratory pH	1087101	10.0	10.0	SU	100	90.0 - 110	125557011
Laboratory pH	1087101	5.95	6.00	SU	99.2	90.0 - 110	125557012
Laboratory pH	1087101	7.95	8.00	SU	99.4	90.0 - 110	125557013
Laboratory pH	1087101	5.96	6.00	SU	99.3	90.0 - 110	125557032
Laboratory pH	1087101	7.95	8.00	SU	99.4	90.0 - 110	125557033
Laboratory pH	1087101	5.96	6.00	SU	99.3	90.0 - 110	125557030
Laboratory pH	1087101	7.94	8.00	SU	99.2	90.0 - 110	125557031

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



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1077622 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 P. O. Box 9000 Kilgore, Texas 75663  
 Office: 903-984-0551 \* Fax: 903-984-5924

P-UP FEE \$ 0.00 TT  
 SUB: \_\_\_\_\_  
 ALL CLIENT COCs ON SINGLE  
 PROJECT? YES NO

**ANALAB**  
 Testing the Limits of Science and Service

# CHAIN OF CUSTODY

Printed 02/25/2021 Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2241311  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

**Waste Water Sample# 243**

Matrix: Non-Potable Water

## Sample Collection Start

Date: 10-18-23 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

**1 Polyethylene 1/2 gal (White)**

NELAP Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2011 CAS:1026-3 (2.00 days)

NELAP

TSS

Total Suspended Solids

SM 2540 D-2011 (7.00 days)

**1 Polyethylene Quart**

NELAP

pHLL

Laboratory pH

SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
10-18-23	11:30 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: _____ Affiliation: _____ Signature: <u>SPL</u>
10/18/23	11:30	Printed Name: _____ Affiliation: _____ Signature: <u>SPL</u>	Printed Name: _____ Affiliation: _____ Signature: <u>FedEx</u>
10/18/23	10:00	Printed Name: _____ Affiliation: _____ Signature: <u>FedEx</u>	Printed Name: _____ Affiliation: _____ Signature: <u>Jennifer Garrett SPL, Inc.</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521





1077622 CoC Print Group 001 of 001

SHIP ID: HRLA (555) 555-5555  
SHIP DATE: 10 OCT 23  
ACTWGT: 70.55 LB  
CAD: 6894257-5555  
DIMS: 24x14x13 IN  
BILL THIRD PARTY

TO  
LOGIN  
SPL  
2600 DUDLEY RD  
KILGORE TX 75662  
(555) 555-5555  
REF: 1  
DEPT: 1

10/19 1020 JLG  
Date Time Tech  
Temp: 0.3/0.5 C  
Therm#: 6443 Corr Fact: 0.2 C

FedEx  
Express  
E

2 of 3  
MPS# 7852 3737 9643  
Metr# 8171 3104 1850  
0200  
THU - 19 OCT 10:30A  
PRIORITY OVERNIGHT  
AHS  
75662  
TX-US SHV

XS GGGA

1077622 CoC Print Group 001 of 001

Project  
1080845

Printed 01/18/2024 12:01

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

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1080845_r03_03_ProjectResults	SPL Kilgore Project P:1080845 C:AZM3 Project Results t:304 PO: 4500896387	2
1080845_r10_05_ProjectQC	SPL Kilgore Project P:1080845 C:AZM3 Project Quality Control Groups	2
1080845_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1080845_1_of_1	2
Total Pages:		7

Email: Kilgore.projectmanager@spl-inc.com





SAMPLE CROSS REFERENCE

Project  
1080845

Printed 1/18/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
2248523	Waste Water Sample# 244	11/14/2023	09:00:00	11/15/2023

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1091131) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1091131) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 04 BOD Titration Beaker A (Batch 1091131) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 05 BOD Analytical Beaker B (Batch 1091131) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1091131	11/21/2023	1091131	11/21/2023
SM 2540 D-2015	01	1091714	11/17/2023	1091714	11/17/2023
SM 4500-H+ B-2011	01	1091497	11/17/2023	1091497	11/17/2023

Email: Kilgore.projectmanager@spl-inc.com



2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

Page 1 of 2

Project  
1080845

Printed: 01/18/2024

RESULTS

Sample Results

2248523	Waste Water Sample# 244	Received:	11/15/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4500896387
	Taken: 11/14/2023	09:00:00	

SM 2540 D-2015	Prepared:	1091714	11/17/2023	08:15:00	Analyzed	1091714	11/17/2023	08:15:00	JK1
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Total Suspended Solids	198	mg/L	40.0			01			

SM 4500-H+ B-2011	Prepared:	1091497	11/17/2023	14:30:00	Analyzed	1091497	11/17/2023	14:30:00	ALH
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Laboratory pH	11.5@19C	SU	2.00			01			

SM 5210 B-2016	Prepared:	1091131	11/16/2023		Analyzed	1091131	11/21/2023	12:43:36	ESN
Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC Biochemical Oxygen Demand (BOD5)	2190	mg/L	250		1026-3	01			

Sample Preparation

2248523	Waste Water Sample# 244	Received:	11/15/2023
	11/14/2023	4500896387	

Prepared:	11/16/2023	08:55:37	Calculated	11/16/2023	08:55:37	CAL
z	Environmental Fee (per Project)	Verified				

SM 2540 D-2011	Prepared:	1090211	11/17/2023	08:15:00	Analyzed	1090211	11/17/2023	08:15:00	JK1
NELAC	TSS Set Started	Started							



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project

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Printed: 01/18/2024

2248523	Waste Water Sample# 244	Received:	11/15/2023
			4500896387
	11/14/2023		

SM 5210 B-2016	Prepared: 1091131 11/16/2023	Analyzed 1091131 11/16/2023	06:58:25	ESN
----------------	------------------------------	-----------------------------	----------	-----

NELAC	BOD Set Started	Started
-------	-----------------	---------

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

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RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
1080845

Printed 01/18/2024

Analytical Set 1091131

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1091131	0.1	0.200	0.500	mg/L	125650175
Biochemical Oxygen Demand (BOD5)	1091131	0.1	0.200	0.500	mg/L	125650225
Biochemical Oxygen Demand (BOD5)	1091131	0.1	0.200	0.500	mg/L	125650287
Biochemical Oxygen Demand (BOD5)	1091131	0.2	0.200	0.500	mg/L	125650341

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2248431	318	347	mg/L	8.72	30.0
Biochemical Oxygen Demand (BOD5)	2248453	38.1	35.4	mg/L	7.35	30.0
Biochemical Oxygen Demand (BOD5)	2248523	2100	2190	mg/L	4.20	30.0
Biochemical Oxygen Demand (BOD5)	2248549	181	155	mg/L	15.5	30.0
Biochemical Oxygen Demand (BOD5)	2248600	172	172	mg/L	0	30.0
Biochemical Oxygen Demand (BOD5)	2248691	3.56	3.64	mg/L	2.22	30.0
Biochemical Oxygen Demand (BOD5)	2248791	5.77	3.73	mg/L	42.9	30.0
Biochemical Oxygen Demand (BOD5)	2248933	3.45	4.65	mg/L	29.6	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1091131	0.870	0.200	0.500	mg/L	125650177
Biochemical Oxygen Demand (BOD5)	1091131	0.890	0.200	0.500	mg/L	125650227
Biochemical Oxygen Demand (BOD5)	1091131	0.930	0.200	0.500	mg/L	125650289
Biochemical Oxygen Demand (BOD5)	1091131	0.917	0.200	0.500	mg/L	125650343

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)	226	198	198	mg/L	114	83.7 - 116	125650178
Biochemical Oxygen Demand (BOD5)	219	198	198	mg/L	111	83.7 - 116	125650228
Biochemical Oxygen Demand (BOD5)	217	198	198	mg/L	110	83.7 - 116	125650290
Biochemical Oxygen Demand (BOD5)	225	198	198	mg/L	114	83.7 - 116	125650344

Analytical Set 1091714

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1091714	ND	2	2	mg/L	125664861

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1091714	0			grams	125664860

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2248431	52.0	62.0	mg/L	17.5	20.0
Total Suspended Solids	2248451	9960	10000	mg/L	0.401	20.0
Total Suspended Solids	2248511	101	94.5	mg/L	6.65	20.0



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# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
1080845

Printed 01/18/2024

## LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1091714	45.0	50.0	mg/L	90.0	90.0 - 110	125664894

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		90.0	100	mg/L	90.0	90.0 - 110	125664893

Analytical Set 1091497

SM 4500-H+ B-2011

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2249088	8.00	8.00	SU	0	20.0
Laboratory pH	2249166	6.80	6.80	SU	0	20.0

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1091497	6.96	7.00	SU	99.4	90.0 - 110	125658741
Laboratory pH	1091497	3.95	4.00	SU	98.8	90.0 - 110	125658742
Laboratory pH	1091497	10.0	10.0	SU	100	90.0 - 110	125658743
Laboratory pH	1091497	5.96	6.00	SU	99.3	90.0 - 110	125658744
Laboratory pH	1091497	7.91	8.00	SU	98.9	90.0 - 110	125658745
Laboratory pH	1091497	5.95	6.00	SU	99.2	90.0 - 110	125658757
Laboratory pH	1091497	7.94	8.00	SU	99.2	90.0 - 110	125658758
Laboratory pH	1091497	5.95	6.00	SU	99.2	90.0 - 110	125658768
Laboratory pH	1091497	7.95	8.00	SU	99.4	90.0 - 110	125658769

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

1080845 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00  
 SUB: \_\_\_\_\_  
 ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
 STATE OF TEXAS

**CHAIN OF CUSTODY**

Printed 10/18/2023 Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2248523  
 PO Number \_\_\_\_\_ Mandatory PO 4500660699  
 Phone \_\_\_\_\_ 956/383-4911

**Waste Water Sample# 244**

☒ Hand Delivered by Client to Region or LAB

**Matrix: Non-Potable Water**

**Sample Collection Start**

Date: 11-14-23 Time: 9:00AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ **Polyethylene 1/2 gal (White)**

NPLAC **Short Hold**

**BOD**

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NPLAC

**TSS**

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ **Polyethylene Quart**

NPLAC

**pHLL**

Laboratory pH

SM 4500-H+ B-2011

**Ambient Conditions/Comments**

Date	Time	Relinquished	Received
11-14-23	11:15AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>JAIME A. SALINAS</u> Affiliation: <u>SPL</u> Signature: <u>Jaime Salinas</u>
11/14/23	17:30	Printed Name: <u>JAIME A. SALINAS</u> Affiliation: <u>SPL</u> Signature: <u>Jaime Salinas</u>	Printed Name: _____ Affiliation: _____ Signature: <b>FedEx</b>
11/20/23	10:55	Printed Name: _____ Affiliation: _____ Signature: <b>FedEx</b>	Printed Name: <u>Jennifer Garrett</u> Affiliation: <u>SPL, Inc.</u> Signature: _____
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



1080845 CoC Print Group 001 of 001

5

ORIGIN ID: HRLA (555) 555-5555  
ANA LAB / RGV  
2401 VILLAGE DR STE C  
BROWNSVILLE, TX 77821  
UNITED STATES US

SHIP DATE: 14NOV23  
ACTWG: 71.65 LB  
CAD: 555425/55FE2460  
DIMS: 24x14x13 IN  
BILL: THIRD PARTY

TO LOGIN  
SPL  
2600 DUDLEY RD  
KILGORE TX 75682  
(555) 555-5555 REF: 1

1 of 5  
TRK# 8171 3104 2782  
0200  
## MASTER ##  
XS GGGA

11115 104219  
Date Time Tech  
Temp: 0.5/0.5 C  
Therm#: 7242 Corr Fact: -0.2 C

FedEx  
Express  
E  
NOV - 15 NOV 10:30A  
PRIORITY OVERNIGHT  
AHS  
75682  
-US SHV

9



Project  
1084434

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 01/29/2024  
14:35

TABLE OF CONTENTS

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1084434_r10_05_ProjectQC	SPL Kilgore Project P:1084434 C:AZM3 Project Quality Control Groups	2
1084434_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1084434_1_of_1	2
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SAMPLE CROSS REFERENCE

Project

1084434

Printed 1/29/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
2256603	Waste Water Sample # 245	12/13/2023	09:00:00	12/14/2023

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1095445) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1095445) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1095445	12/20/2023	1095445	12/20/2023
SM 2540 D-2015	01	1095918	12/18/2023	1095918	12/18/2023
SM 4500-H+ B-2011	01	1095996	12/19/2023	1095996	12/19/2023

Email: Kilgore.projectmanager@spl-inc.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1084434

Printed: 01/29/2024

RESULTS

Sample Results

2256603	Waste Water Sample # 245	Received:	12/14/2023
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4500896387
	Taken: 12/13/2023	09:00:00	

SM 2540 D-2015		Prepared:	1095918	12/18/2023	11:00:00	Analyzed	1095918	12/18/2023	11:00:00	LR3
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Total Suspended Solids	712	mg/L	80.0					01	

SM 4500-H+ B-2011		Prepared:	1095996	12/19/2023	13:40:00	Analyzed	1095996	12/19/2023	13:40:00	ALH
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Laboratory pH	11.9@16C	SU	2.00					01	

SM 5210 B-2016		Prepared:	1095445	12/15/2023		Analyzed	1095445	12/20/2023	14:08:21	LR3
Parameter		Results	Units	RL	Flags	CAS	Bottle			
NELAC	Biochemical Oxygen Demand (BOD5)	1610	mg/L	250		1026-3			01	

Sample Preparation

2256603	Waste Water Sample # 245	Received:	12/14/2023
			4500896387
	12/13/2023		

		Prepared:	12/15/2023	10:34:14	Calculated	12/15/2023	10:34:14	CA.
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared:	1095212	12/18/2023	11:00:00	Analyzed	1095212	12/18/2023	11:00:00	LR3
NELAC	TSS Set Started	Started								



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project

1084434

Printed: 01/29/2024

2256603	Waste Water Sample # 245	Received:	12/14/2023
			4500896387
	12/13/2023		

SM 5210 B-2016	Prepared:	1095445	12/15/2023	Analyzed	1095445	12/15/2023	07:05:38	LR3
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NELAC	BOD Set Started	Started
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Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1084434

Printed 01/29/2024

Analytical Set 1095445

SM 5210 B-2016

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1095445	0	0.200	0.500	mg/L	125755442
Biochemical Oxygen Demand (BOD5)	1095445	0.08	0.200	0.500	mg/L	125755492
Biochemical Oxygen Demand (BOD5)	1095445	0.1	0.200	0.500	mg/L	125758434

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2255726	4.92	ND	mg/L		30.0
Biochemical Oxygen Demand (BOD5)	2256406	2.99	2.75	mg/L	8.36	30.0
Biochemical Oxygen Demand (BOD5)	2256555	8.43	9.51	mg/L	12.0	30.0
Biochemical Oxygen Demand (BOD5)	2256701	7.82	9.80	mg/L	22.5	30.0
Biochemical Oxygen Demand (BOD5)	2256764	282	283	mg/L	0.354	30.0
Biochemical Oxygen Demand (BOD5)	2257060	3.40	3.36	mg/L	1.18	30.0

## Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1095445	0.763	0.200	0.500	mg/L	125755444
Biochemical Oxygen Demand (BOD5)	1095445	0.787	0.200	0.500	mg/L	125755494
Biochemical Oxygen Demand (BOD5)	1095445	0.760	0.200	0.500	mg/L	125758436

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		199	198	mg/L	101	83.7 - 116	125755445
Biochemical Oxygen Demand (BOD5)		193	198	mg/L	97.5	83.7 - 116	125755495
Biochemical Oxygen Demand (BOD5)		197	198	mg/L	99.5	83.7 - 116	125758437

Analytical Set 1095918

SM 2540 D-2015

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1095918	ND	2	2	mg/L	125769559

## ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1095918	-0.0002			grams	125769558

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2256557	55.9	55.7	mg/L	0.358	20.0
Total Suspended Solids	2256603	676	712	mg/L	5.19	20.0
Total Suspended Solids	2256759	8840	8740	mg/L	1.14	20.0

## LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1095918	48.0	50.0	mg/L	96.0	90.0 - 110	125769592

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
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Report Page 5 of 8

# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

*Project*  
**1084434**

Printed 01/29/2024

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>92.0</b>	<b>100</b>	<b>mg/L</b>	<b>92.0</b>	<b>90.0 - 110</b>	<b>125769591</b>

Analytical Set **1095996**

**SM 4500-H+ B-2011**

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	<b>2256451</b>	<b>8.00</b>	<b>7.90</b>	<b>SU</b>	1.26	20.0
Laboratory pH	<b>2257286</b>	<b>7.80</b>	<b>7.70</b>	<b>SU</b>	1.29	20.0

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	<b>1095996</b>	<b>7.02</b>	<b>7.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125771398</b>
Laboratory pH	<b>1095996</b>	<b>3.99</b>	<b>4.00</b>	<b>SU</b>	<b>99.8</b>	<b>90.0 - 110</b>	<b>125771399</b>
Laboratory pH	<b>1095996</b>	<b>10.0</b>	<b>10.0</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125771400</b>
Laboratory pH	<b>1095996</b>	<b>5.97</b>	<b>6.00</b>	<b>SU</b>	<b>99.5</b>	<b>90.0 - 110</b>	<b>125771401</b>
Laboratory pH	<b>1095996</b>	<b>7.93</b>	<b>8.00</b>	<b>SU</b>	<b>99.1</b>	<b>90.0 - 110</b>	<b>125771402</b>
Laboratory pH	<b>1095996</b>	<b>5.98</b>	<b>6.00</b>	<b>SU</b>	<b>99.7</b>	<b>90.0 - 110</b>	<b>125771414</b>
Laboratory pH	<b>1095996</b>	<b>8.00</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125771415</b>
Laboratory pH	<b>1095996</b>	<b>5.98</b>	<b>6.00</b>	<b>SU</b>	<b>99.7</b>	<b>90.0 - 110</b>	<b>125771426</b>
Laboratory pH	<b>1095996</b>	<b>8.01</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>125771427</b>

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

1084434 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

000  
 PRESENT CCCs ON SINGLE  
 DIRECT YES



## CHAIN OF CUSTODY

Printed 10/18/2023

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

AZM3-R  
 101

Lab Number 2256603  
 PO Number Mandatory PO 4500660699  
 Phone 956-383-4911

Waste Water Sample# 245
☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

## Sample Collection Start

Date: 12-13-23 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contain Dioxin? ☐Samples Biological Hazard? ☐
☒ Polyethylene 1/2 gal (White)

NPL AC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NPL AC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ Polyethylene Quart

NPL AC

pHLL

Laboratory pH

SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
12-13-23	11:05 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>
12/13/23	12:30	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>
12/14/23	11:30	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>
		Printed Name: <u>Jennifer Garrett</u> Affiliation: <u>Jennifer Garrett SPL, Inc.</u> Signature: <u>Jennifer Garrett</u>	Printed Name: <u>Jennifer Garrett</u> Affiliation: <u>Jennifer Garrett SPL, Inc.</u> Signature: <u>Jennifer Garrett</u>
		Printed Name: <u>Jennifer Garrett</u> Affiliation: <u>Jennifer Garrett SPL, Inc.</u> Signature: <u>Jennifer Garrett</u>	Printed Name: <u>Jennifer Garrett</u> Affiliation: <u>Jennifer Garrett SPL, Inc.</u> Signature: <u>Jennifer Garrett</u>



RGV Region: 2401 Village Dr, Suite C Brownsville TX 78521



1084434 CoC Print Group 001 of 001

fedex.com 1.800.GoFedEx 1.800.463.3339

**FedEx** Package **US Airbill** **817L 3104 2624**

1 From **12/13/24** **12:00**

Sender's Name **Joe Miller** Phone **936 738 0208**

Company **DR STE C**

Address **1810 DUDLEY RD**

City **TX** State **TX** ZIP **75662**

2 Your Internal Billing Reference

3 To Recipient's Name **Joe Miller** Phone **936 738 0208**

Company **DR STE C**

Address **1810 DUDLEY RD**

City **TX** State **TX** ZIP **75662**

4 Express Package Service

☐ New Business Day

☒ FedEx First Overnight

☐ FedEx Priority Overnight

☐ FedEx Standard Overnight

☐ FedEx 2Day

☐ FedEx Home Delivery

5 Packaging ☐ FedEx Envelope ☐ FedEx Box ☐ FedEx Tube ☐ FedEx Mailer ☐ FedEx Pallet

6 Special Handling ☐ Fragile ☐ Perishable ☐ Hazardous ☐ Live Animals ☐ High Value ☐ Restricted ☐ Signature Required ☐ Adult Signature Required ☐ Restricted Signature Required ☐ Restricted Signature Required

7 Payment Bill to ☒ Sender ☐ Recipient ☐ Third Party

Therm #: 7242 Corr Fact: -0.2 C

Date **12/14/24** Time **13:24**

1810 DUDLEY RD  
TX 75662

**AH GCGA**

**75662**

**TX-US SHV**

**12:00P**

**PRIORITY**

**THU 12-14-24**

**817 3104 2624**

**LOG IN**

**\$PL**

**2600 DUDLEY RD**

**KILGORE TX 75662**

**817 3104 2624**

**ACTIVITY: 70-40 LB**

**CAD: 594457/5912460**

**DIRS: 241415 IN**

**BILL: THIRD PARTY**

**UNITED STATES, US**

**FedEx**

**EXPRESS**

**E**



Project  
1087719

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 01/29/2024  
14:35

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1087719_r10_05_ProjectQC	SPL Kilgore Project P:1087719 C:AZM3 Project Quality Control Groups	2
1087719_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1087719_1_of_1	2
Total Pages:		7





SAMPLE CROSS REFERENCE

Project  
1087719

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 1/29/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2263827	Waste Water Sample# 246	01/11/2024	09:00:00	01/12/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1099269) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1099269) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1099269	01/18/2024	1099269	01/18/2024
SM 2540 D-2015	01	1099930	01/18/2024	1099930	01/18/2024
SM 4500-H+ B-2011	01	1099972	01/19/2024	1099972	01/19/2024

Email: Kilgore.projectmanager@spl-inc.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project

1087719

Printed: 01/29/2024

RESULTS

Sample Results

2263827	Waste Water Sample# 246	Received:	01/12/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 230730 starts 1/11/24
	Taken: 01/11/2024	09:00:00	

SM 2540 D-2015		Prepared:	1099930	01/18/2024	08:00:00	Analyzed	1099930	01/18/2024	08:00:00	RC1
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Total Suspended Solids	490	mg/L	66.7						01

SM 4500-H+ B-2011		Prepared:	1099972	01/19/2024	16:35:00	Analyzed	1099972	01/19/2024	16:35:00	ALH
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Laboratory pH	12.1@17C	SU	2.00						01

SM 5210 B-2016		Prepared:	1099269	01/13/2024		Analyzed	1099269	01/18/2024	12:01:37	JW1
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Biochemical Oxygen Demand (BOD5)	1420	mg/L	250			1026-3			01

Sample Preparation

2263827	Waste Water Sample# 246	Received:	01/12/2024
		230730	starts 1/11/24
	01/11/2024		

		Prepared:	01/17/2024	16:03:16	Calculated	01/17/2024	16:03:16	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared:	1098958	01/18/2024	08:00:00	Analyzed	1098958	01/18/2024	08:00:00	RC1
NELAC	TSS Set Started	Started								



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
**1087719**

Printed: 01/29/2024

**2263827** Waste Water Sample# 246

Received: 01/12/2024

230730 starts 1/11/24

01/11/2024

SM 5210 B-2016

Prepared: 1099269 01/13/2024

Analyzed 1099269 01/13/2024 05:56:38 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



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# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1087719

Printed 01/29/2024

Analytical Set 1099269

SM 5210 B-2016

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1099269	0.2	0.200	0.500	mg/L	125859405
Biochemical Oxygen Demand (BOD5)	1099269	0.1	0.200	0.500	mg/L	125859455
Biochemical Oxygen Demand (BOD5)	1099269	0.1	0.200	0.500	mg/L	125859505
Biochemical Oxygen Demand (BOD5)	1099269	0.06	0.200	0.500	mg/L	125859739

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2263705	3.95	3.15	mg/L	22.5	30.0
Biochemical Oxygen Demand (BOD5)	2263726	2.95	3.35	mg/L	12.7	30.0
Biochemical Oxygen Demand (BOD5)	2263738	7.25	6.61	mg/L	9.24	30.0
Biochemical Oxygen Demand (BOD5)	2263782	2610	2420	mg/L	7.55	30.0
Biochemical Oxygen Demand (BOD5)	2263845	ND	ND	mg/L		30.0
Biochemical Oxygen Demand (BOD5)	2263901	52.2	45.6	mg/L	13.5	30.0
Biochemical Oxygen Demand (BOD5)	2264043	27.3	25.7	mg/L	6.04	30.0

## Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1099269	0.753	0.200	0.500	mg/L	125859407
Biochemical Oxygen Demand (BOD5)	1099269	0.847	0.200	0.500	mg/L	125859457
Biochemical Oxygen Demand (BOD5)	1099269	0.760	0.200	0.500	mg/L	125859507
Biochemical Oxygen Demand (BOD5)	1099269	0.723	0.200	0.500	mg/L	125859741

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		195	198	mg/L	98.5	83.7 - 116	125859408
Biochemical Oxygen Demand (BOD5)		177	198	mg/L	89.4	83.7 - 116	125859458
Biochemical Oxygen Demand (BOD5)		139	198	mg/L	70.2	83.7 - 116 *	125859508
Biochemical Oxygen Demand (BOD5)		144	198	mg/L	72.7	83.7 - 116 *	125859742

Analytical Set 1099930

SM 2540 D-2015

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1099930	ND	2	2	mg/L	125876681

## ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1099930	0			grams	125876680

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2263768	8370	8400	mg/L	0.358	20.0
Total Suspended Solids	2263769	6280	6340	mg/L	0.951	20.0
Total Suspended Solids	2263851	34.0	35.0	mg/L	2.90	20.0



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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

*Project*  
**1087719**

Printed 01/29/2024

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1099930	48.0	50.0	mg/L	96.0	90.0 - 110	125876714

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		94.0	100	mg/L	94.0	90.0 - 110	125876713

Analytical Set 1099972

SM 4500-H+ B-2011

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	2263604	7.10	7.00	SU	1.42	20.0
Laboratory pH	2264635	7.30	7.30	SU	0	20.0

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	1099972	7.01	7.00	SU	100	90.0 - 110	125877098
Laboratory pH	1099972	3.97	4.00	SU	99.2	90.0 - 110	125877099
Laboratory pH	1099972	10.0	10.0	SU	100	90.0 - 110	125877100
Laboratory pH	1099972	5.96	6.00	SU	99.3	90.0 - 110	125877101
Laboratory pH	1099972	7.96	8.00	SU	99.5	90.0 - 110	125877102
Laboratory pH	1099972	5.96	6.00	SU	99.3	90.0 - 110	125877114
Laboratory pH	1099972	7.95	8.00	SU	99.4	90.0 - 110	125877115
Laboratory pH	1099972	5.97	6.00	SU	99.5	90.0 - 110	125877124
Laboratory pH	1099972	7.96	8.00	SU	99.5	90.0 - 110	125877125
Laboratory pH	1099972	5.93	6.00	SU	98.8	90.0 - 110	125877129
Laboratory pH	1099972	7.93	8.00	SU	99.1	90.0 - 110	125877130

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



Report Page 6 of 8

1087719 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

0.00  
 SUB  
 ALL  
 PROJECT



## CHAIN OF CUSTODY

Printed 10/18/2023 Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

AZM3-R  
 101

Lab Number

2263827

PO Number

Mun. Utility PO 1500000000

Phone

956/383-4911

Waste Water Sample# 246

See Attached for  
 Tracking & Test Log

☒ Hand Delivered by Chem to Region or LAB

Matrix: Non-Potable Water

## Sample Collection Start

Date: 1-11-24 Time: 9:00AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☐ Polyethylene 1/2 gal (White)

NPLAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 C/AS:1026-3 (2.04 days)

NPLAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☐ Polyethylene Quart

NPLAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
1-11-24	12:15	Printed Name: Juan Martinez Signature: Juan Martinez Affiliation: AZM3	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL
1-11-24	1:13	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	Printed Name: FedEx Signature: FedEx Affiliation: FedEx
1-12-24	11:20	Printed Name: FedEx Signature: FedEx Affiliation: FedEx	Printed Name: McCabe Wheeler SPL, Inc. Signature: McCabe Affiliation: McCabe Wheeler SPL, Inc.
		Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



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Project  
1092188

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 02/22/2024  
13:22

TABLE OF CONTENTS  
4501126749

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Report Name	Description	Pages
1092188_r02_01_ProjectSamples	SPL Kilgore Project P:1092188 C:AZM3 Project Sample Cross Reference t:304	1
1092188_r03_03_ProjectResults	SPL Kilgore Project P:1092188 C:AZM3 Project Results t:304 PO: 4501126749	2
1092188_r10_05_ProjectQC	SPL Kilgore Project P:1092188 C:AZM3 Project Quality Control Groups	2
1092188_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1092188_1_of_1	3
Total Pages:		8





SAMPLE CROSS REFERENCE

Project  
1092188

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 2/22/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2273833	Waste Water Sample# 247	02/15/2024	09:00:00	02/16/2024

Bottle 01 Polyethylene 1/2 gal. (10)  
Bottle 02 BOD Titration Beaker A (Batch 1104714) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1104714) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1104714	02/22/2024	1104714	02/22/2024
SM 2540 D-2015	01	1105323	02/20/2024	1105323	02/20/2024
SM 4500-H+ B-2011	01	1105537	02/21/2024	1105537	02/21/2024

Email: Kilgore.projectmanager@spl-inc.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project

1092188

Printed: 02/22/2024

4501126749

RESULTS

Sample Results

2273833	Waste Water Sample# 247	Received:	02/16/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 02/15/2024	09:00:00	4501126749

SM 2540 D-2015		Prepared:	1105323	02/20/2024	12:10:00	Analyzed	1105323	02/20/2024	12:10:00	BEK
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Total Suspended Solids	816	mg/L	80.0		D			01	

SM 4500-H+ B-2011		Prepared:	1105537	02/21/2024	15:30:00	Analyzed	1105537	02/21/2024	15:30:00	ALH
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Laboratory pH	12.1@21C	SU	2.00					01	

SM 5210 B-2016		Prepared:	1104714	02/17/2024		Analyzed	1104714	02/22/2024	11:13:17	JWI
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Biochemical Oxygen Demand (BOD5)	2280	mg/L	250			1026-3		01	

Sample Preparation

2273833	Waste Water Sample# 247	Received:	02/16/2024
	02/15/2024		4501126749

		Prepared:	02/16/2024	17:11:10	Calculated	02/16/2024	17:11:10	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared:	1104021	02/20/2024	12:10:00	Analyzed	1104021	02/20/2024	12:10:00	BEK
NELAC	TSS Set Started	Started								



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1092188

Printed: 02/22/2024

2273833	Waste Water Sample# 247	Received:	02/16/2024
			4501126749
	02/15/2024		

SM 5210 B-2016	Prepared: 1104714 02/17/2024	Analyzed 1104714 02/17/2024	05:52:37	JW1
----------------	------------------------------	-----------------------------	----------	-----

NELAC	BOD Set Started	Started
-------	-----------------	---------

Qualifiers:

D - Duplicate RPD was higher than expected

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1092188

Printed 02/22/2024

Analytical Set 1104714

SM 5210 B-2016

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1104714	0.2	0.200	0.500	mg/L	125992650
Biochemical Oxygen Demand (BOD5)	1104714	0.1	0.200	0.500	mg/L	125992704
BOD Filtered 0.45 micron (solubl	1104714	0.1	0.200	0.500	mg/L	125992764

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2273581	2.49	2.53	mg/L	1.59	30.0
Biochemical Oxygen Demand (BOD5)	2273661	56.5	52.3	mg/L	7.72	30.0
Biochemical Oxygen Demand (BOD5)	2273791	2260	2180	mg/L	3.60	30.0
Biochemical Oxygen Demand (BOD5)	2273841	6.35	6.43	mg/L	1.25	30.0
Biochemical Oxygen Demand (BOD5)	2273896	325	369	mg/L	12.7	30.0

## Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1104714	0.847	0.200	0.500	mg/L	125992652
Biochemical Oxygen Demand (BOD5)	1104714	0.843	0.200	0.500	mg/L	125992706
BOD Filtered 0.45 micron (solubl	1104714	0.833	0.200	0.500	mg/L	125992766

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)	220	198	198	mg/L	111	83.7 - 116	125992653
Biochemical Oxygen Demand (BOD5)	217	198	198	mg/L	110	83.7 - 116	125992707
BOD Filtered 0.45 micron (solubl	209	198	198	mg/L	106	83.7 - 116	125992767

Analytical Set 1105323

SM 2540 D-2015

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1105323	ND	2	2	mg/L	126010440

## ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1105323	0.0001			grams	126010439

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2273833	536	816	mg/L	41.4	*
Total Suspended Solids	2273879	4590	4060	mg/L	12.3	20.0

## LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1105323	53.0	50.0	mg/L	106	90.0 - 110	126010457

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		96.0	100	mg/L	96.0	90.0 - 110	126010456



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# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project  
1092188

Printed 02/22/2024

Analytical Set 1105537

SM 4500-H+ B-2011

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2272668	7.20	7.20	SU	0	20.0
Laboratory pH	2273835	7.20	7.20	SU	0	20.0

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1105537	7.01	7.00	SU	100	90.0 - 110	126015902
Laboratory pH	1105537	4.01	4.00	SU	100	90.0 - 110	126015903
Laboratory pH	1105537	10.0	10.0	SU	100	90.0 - 110	126015904
Laboratory pH	1105537	5.96	6.00	SU	99.3	90.0 - 110	126015905
Laboratory pH	1105537	7.94	8.00	SU	99.2	90.0 - 110	126015906
Laboratory pH	1105537	5.99	6.00	SU	99.8	90.0 - 110	126015918
Laboratory pH	1105537	7.95	8.00	SU	99.4	90.0 - 110	126015919
Laboratory pH	1105537	5.99	6.00	SU	99.8	90.0 - 110	126015928
Laboratory pH	1105537	7.94	8.00	SU	99.2	90.0 - 110	126015929

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



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2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
 The Science of Water

Printed 01/17/2024

Page 1 of 2

**CHAIN OF CUSTODY**

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 20473833PO Number 4501126749Phone 956/383-4911**Waste Water Sample# 247**☒ Hand Delivered by Client to Region or LAB**Matrix: Non-Potable Water****Sample Collection Start**Date: 2-15-24 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐**1 Polyethylene 1/2 gal (White)**NELAC **Short Hold****BOD**

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC

**TSS**

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

**1 Polyethylene Quart**

NELAC

**pHLL**

Laboratory pH

SM 4500-H+ B-2011

**Ambient Conditions/Comments**

Date	Time	Relinquished	Received
2-15-24	9:40	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>R. De Leon</u> Affiliation: <u>SPL</u> Signature: <u>R. De Leon</u>
2/15/2024	17:30	Printed Name: <u>R. De Leon</u> Affiliation: <u>SPL</u> Signature: <u>R. De Leon</u>	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>
2/16/24	10:40	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>	Printed Name: <u>Jennifer Garrett SPL, Inc.</u> Affiliation: <u>Jennifer Garrett SPL, Inc.</u> Signature: <u>Jennifer Garrett</u>
		Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>



RGV Region: 2401 Village Dr, Suite C Brownsville TX 78521



1092188 CoC Print Group 001 of 001

2/16/24, 4:29 PM

Mail - Jennifer Garrett - Outlook

**FW: C:AZM3 Required testing**

Garrett Ryan <Garrett.Ryan@spllabs.com>

Fri 2/16/2024 2:24 PM

To: Kilgore Sample Login <kilgore.login@spllabs.com>

Cc: Kilgore Project Management <Kilgore.ProjectManagement@spllabs.com>; Joel Manjarrez <Joel.Manjarrez@spllabs.com>

**From:** Joel Manjarrez <Joel.Manjarrez@spllabs.com>

**Sent:** Friday, February 16, 2024 2:13 PM

**To:** Login <Login@spllabs.com>

**Cc:** Kilgore Project Management <Kilgore.ProjectManagement@spllabs.com>

**Subject:** C:AZM3 Required testing

**Good afternoon login**

**Did you receive 2 COCs from AZM3 ( 101 & 120) but only one bottle,  
Client needs BODc in separated project. Run it from same bottle or transfer some  
sample to another bottle.**

**Let me know if you have any question**

**Joel Manjarrez**

**Field Services Supervisor - ENV**

[Joel.Manjarrez@spllabs.com](mailto:Joel.Manjarrez@spllabs.com)

Cell Phone: (956) 238-0208

2401 Village Dr. Ste C - Brownsville, TX 78521

spl-inc.com



1092188 CoC Print Group 001 of 001

TO: LOGIN  
SPL  
2600 DUDLEY RD  
KILGORE TX 75662

ANAL LAB / RGV  
2401 VILLAGE DR STE  
BROWNSVILLE, TX 77821  
UNITED STATES US

DATE: 15 FEB 24  
TIME: 10:30 AM  
ID: 699-257 / 55FE2460  
ISS: 241124 13 IN  
ALL OTHER PARTY

(555) 555-5555  
POT

2116 1356 JLB  
Date Time Tech  
Temp: 06/10.7 C  
Therm#: 6443 Corr Fact: 0.1 C

FedEx  
Express  
E

1 of 6  
TRK# 8174 3101-6  
0200  
## MASTER ##  
XS GGGA

RI - 16-FEB 10:30A  
PRIORITY OVERNIGHT  
AHS  
75662  
TX-US SHV

1092188-001



Project  
1096626

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 04/01/2024  
8:08

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1096626_r10_05_ProjectQC	SPL Kilgore Project P:1096626 C:AZM3 Project Quality Control Groups	2
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SAMPLE CROSS REFERENCE

Project  
1096626

Printed 4/1/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
2283669	Waste Water Sample# 248	03/21/2024	09:00:00	03/22/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1110795) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1110795) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1110795	03/28/2024	1110795	03/28/2024
SM 2540 D-2015	01	1111463	03/27/2024	1111463	03/27/2024
SM 4500-H+ B-2011	01	1111258	03/26/2024	1111258	03/26/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project

1096626

Printed: 04/01/2024

RESULTS

Sample Results

2283669	Waste Water Sample# 248	Received:	03/22/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO: 4501126749
	Taken: 03/21/2024	09:00:00	

SM 2540 D-2015		Prepared: 1111463 03/27/2024		05:30:00	Analyzed	1111463 03/27/2024	05:30:00	BEK
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Total Suspended Solids	308	mg/L	80.0			01	
SM 4500-H+ B-2011		Prepared: 1111258 03/26/2024		10:45:00	Analyzed	1111258 03/26/2024	10:45:00	SRJ
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Laboratory pH	12.0 @ 18 C	SU	2.00			01	
SM 5210 B-2016		Prepared: 1110795 03/23/2024			Analyzed	1110795 03/28/2024	12:23:24	JWI
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Biochemical Oxygen Demand (BOD5)	1690	mg/L	250		1026-3	01	

Sample Preparation

2283669	Waste Water Sample# 248	Received:	03/22/2024
			4501126749
	03/21/2024		

		Prepared:	03/25/2024	11:08:41	Calculated	03/25/2024	11:08:41	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared: 1109174 03/27/2024		05:30:00	Analyzed	1109174 03/27/2024	05:30:00	BEK
NELAC	TSS Set Started	Started						



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project

1096626

Printed: 04/01/2024

2283669	Waste Water Sample# 248	Received:	03/22/2024
			4501126749
	03/21/2024		

SM 5210 B-2016	Prepared: 1110795 03/23/2024	Analyzed 1110795 03/23/2024	06:29:13	JW1
----------------	------------------------------	-----------------------------	----------	-----

NELAC	BOD Set Started	Started
-------	-----------------	---------

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

*Project*  
**1096626**

Printed 04/01/2024

Analytical Set **1110795**

**SM 5210 B-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1110795	0.1	0.200	0.500	mg/L	126129411
Biochemical Oxygen Demand (BOD5)	1110795	0.2	0.200	0.500	mg/L	126129467
Biochemical Oxygen Demand (BOD5)	1110795	0.2	0.200	0.500	mg/L	126129517

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2283527	1020	999	mg/L	2.08	30.0
Biochemical Oxygen Demand (BOD5)	2283537	5490	5220	mg/L	5.04	30.0
Biochemical Oxygen Demand (BOD5)	2283561	10.6	9.12	mg/L	15.0	30.0
Biochemical Oxygen Demand (BOD5)	2283655	11.6	10.6	mg/L	9.01	30.0
Biochemical Oxygen Demand (BOD5)	2283690	92.1	93.0	mg/L	0.972	30.0
Biochemical Oxygen Demand (BOD5)	2283996	10.6	11.4	mg/L	7.27	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1110795	0.940	0.200	0.500	mg/L	126129413
Biochemical Oxygen Demand (BOD5)	1110795	1.04	0.200	0.500	mg/L	126129469
Biochemical Oxygen Demand (BOD5)	1110795	0.970	0.200	0.500	mg/L	126129519

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	230	198	mg/L	116	83.7 - 116		126129414
Biochemical Oxygen Demand (BOD5)	223	198	mg/L	113	83.7 - 116		126129470
Biochemical Oxygen Demand (BOD5)	228	198	mg/L	115	83.7 - 116		126129520

Analytical Set **1111463**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1111463	ND	2	2	mg/L	126152970

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1111463	-0.0002			grams	126152969

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2284333	935	890	mg/L	4.93	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1111463	53.0	50.0	mg/L	106	90.0 - 110	126152979

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	126152978

Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



Report Page 5 of 9

# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project  
1096626

Printed 04/01/2024

Analytical Set 1111258

SM 4500-H+ B-2011

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2284182	6.70	6.60	SU	1.50	20.0

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1111258	6.00	6.00	SU	100	90.0 - 110	126143212
Laboratory pH	1111258	7.96	8.00	SU	99.5	90.0 - 110	126143213
Laboratory pH	1111258	6.03	6.00	SU	100	90.0 - 110	126143225
Laboratory pH	1111258	7.96	8.00	SU	99.5	90.0 - 110	126143226

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 6 of 9



1096626 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



# CHAIN OF CUSTODY

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

AZM3-R  
 121

Printed 03/21/2024 Page 1 of 1  
 Lab Number 2283667  
 Mandatory 4501126749  
 PO Number \_\_\_\_\_  
 Phone 956/383-4911

Waste Water Sample # 240-A

Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 3-21-24 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

1 H2SO4 to pH <2 250 ml Polyethylene

NELAC

COD

Chemical Oxygen Demand

SM 5220 D-2011 (28.0 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
3-21-24 12:28pm	Printed Name: <u>Juan Martinez</u> Signature: <u>Juan Martinez</u> Affiliation: <u>AZM3</u>	3/21/24 12:28	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>SPL</u>
3/21/24 1:30pm	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>SPL</u>	3/21/24 1:30	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>FedEx</u>
3/21/24 1:30	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>FedEX</u>		Printed Name: <u>Rayshawn Thompson SPL, Inc.</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>
	Printed Name: _____ Signature: _____ Affiliation: _____		Printed Name: _____ Signature: _____ Affiliation: _____

Sample Received on Ice? ☒ Yes ☐ No  
 Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - AZI, A, N - NELAC, or / - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments





1096626 CoC Print Group 001 of 001

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Project  
1100217

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Printed 04/26/2024  
12:50

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SAMPLE CROSS REFERENCE

Project  
1100217

Printed 4/26/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received
2292056	Waste Water Sample# 249	04/18/2024	09:00:00	04/19/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1115337) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1115337) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1115337	04/25/2024	1115337	04/25/2024
SM 2540 D-2015	01	1115905	04/23/2024	1115905	04/23/2024
SM 4500-H+ B-2011	01	1115544	04/22/2024	1115544	04/22/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1100217

Printed: 04/26/2024

RESULTS

Sample Results

2292056	Waste Water Sample# 249	Received:	04/19/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 04/18/2024	09:00:00	4501126749

SM 2540 D-2015		Prepared: 1115905 04/23/2024		13:30:00	Analyzed	1115905 04/23/2024	13:30:00	ADR
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Total Suspended Solids	760	mg/L	80.0			01	
SM 4500-H+ B-2011		Prepared: 1115544 04/22/2024		10:10:00	Analyzed	1115544 04/22/2024	10:10:00	ESG
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Laboratory pH	12.1@20C	SU	2.00			01	
SM 5210 B-2016		Prepared: 1115337 04/20/2024			Analyzed	1115337 04/25/2024	12:44:51	JWI
Parameter		Results	Units	RL	Flags	CAS	Bottle	
NELAC	Biochemical Oxygen Demand (BOD5)	1700	mg/L	250		1026-3	01	

Sample Preparation

2292056	Waste Water Sample# 249	Received:	04/19/2024
	04/18/2024		4501126749

		Prepared:	04/19/2024	12:41:13	Calculated	04/19/2024	12:41:13	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared: 1115619 04/23/2024		13:30:00	Analyzed	1115619 04/23/2024	13:30:00	ADR
NELAC	TSS Set Started	Started						



2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project

1100217

Printed: 04/26/2024

2292056	Waste Water Sample# 249	Received:	04/19/2024
			4501126749
	04/18/2024		

SM 5210 B-2016	Prepared: 1115337 04/20/2024	Analyzed 1115337 04/20/2024	06:37:37	JW1
----------------	------------------------------	-----------------------------	----------	-----

NELAC	BOD Set Started	Started
-------	-----------------	---------

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

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RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

*Project*  
**1100217**

Printed 04/26/2024

Analytical Set **1115337**

**SM 5210 B-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1115337	0.2	0.200	0.500	mg/L	126240702
Biochemical Oxygen Demand (BOD5)	1115337	0.2	0.200	0.500	mg/L	126240752
Biochemical Oxygen Demand (BOD5)	1115337	0.2	0.200	0.500	mg/L	126240853

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2291971	34.4	31.0	mg/L	10.4	30.0
Biochemical Oxygen Demand (BOD5)	2292004	ND	ND	mg/L		30.0
Biochemical Oxygen Demand (BOD5)	2292058	4.68	5.60	mg/L	17.9	30.0
Biochemical Oxygen Demand (BOD5)	2292282	9.92	9.60	mg/L	3.28	30.0
Biochemical Oxygen Demand (BOD5)	2292295	1730	1700	mg/L	1.75	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1115337	1.11	0.200	0.500	mg/L	126240704
Biochemical Oxygen Demand (BOD5)	1115337	0.420	0.200	0.500	mg/L	126240754
Biochemical Oxygen Demand (BOD5)	1115337	1.17	0.200	0.500	mg/L	126240855

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	229	198	198	mg/L	116	83.7 - 116	126240705
Biochemical Oxygen Demand (BOD5)	246	198	198	mg/L	124	83.7 - 116 *	126240755
Biochemical Oxygen Demand (BOD5)	216	198	198	mg/L	109	83.7 - 116	126240856

Analytical Set **1115905**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1115905	ND	2	2	mg/L	126254246

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1115905	0.0002			grams	126254245

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2291991	1430	1390	mg/L	2.84	20.0
Total Suspended Solids	2292018	504	508	mg/L	0.791	20.0
Total Suspended Solids	2292056	900	760	mg/L	16.9	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1115905	51.0	50.0	mg/L	102	90.0 - 110	126254279

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids	106	100	100	mg/L	106	90.0 - 110	126254278

Email: Kilgore.ProjectManagement@spillabs.com



Report Page 5 of 9



# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project  
1100217

Printed 04/26/2024

Analytical Set 1115544 SM 4500-H+ B-2011

Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2291726	7.10	7.10	SU	0	20.0
Laboratory pH	2291795	8.10	8.10	SU	0	20.0
Standard						
Parameter	Sample	Reading	Known	Units	Recover%	Limits%
Laboratory pH	1115544	7.03	7.00	SU	100	90.0 - 110
Laboratory pH	1115544	4.00	4.00	SU	100	90.0 - 110
Laboratory pH	1115544	10.04	10.00	SU	100	90.0 - 110
Laboratory pH	1115544	6.05	6.00	SU	101	90.0 - 110
Laboratory pH	1115544	8.05	8.00	SU	101	90.0 - 110
Laboratory pH	1115544	6.04	6.00	SU	101	90.0 - 110
Laboratory pH	1115544	7.93	8.00	SU	99.1	90.0 - 110
Laboratory pH	1115544	6.06	6.00	SU	101	90.0 - 110
Laboratory pH	1115544	7.99	8.00	SU	99.9	90.0 - 110

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$  Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 6 of 9

1100217 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

0.00 TT  
 SHIP ALL OUR PROJECTS ON SINGLE PROJECT YES NO



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## CHAIN OF CUSTODY

Printed 01/17/2024

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

**AZM3-R**  
**101**

Lab Number 2292056PO Number 4501126749

Phone

956/383-4911

**Waste Water Sample# 249**

☒ Hand Delivered by Client to Region or LAB

**Matrix: Non-Potable Water**

### Sample Collection Start

Date: 4-18-24 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

☒ **Polyethylene 1/2 gal (White)**

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ **Polyethylene Quart**

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

### Ambient Conditions/Comments

Date	Time	Relinquished	Received
4-18-24	11:32	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>J. Martinez</u> Affiliation: <u>SPL</u> Signature: <u>J. Martinez</u>
4-18-24	1713	Printed Name: <u>J. Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>J. Martinez</u>	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>
4/19/24	1030	Printed Name: <u>FedEx</u> Affiliation: <u>FedEx</u> Signature: <u>FedEx</u>	Printed Name: <u>McCabe Wheeler SPL, Inc.</u> Affiliation: <u>McCabe Wheeler SPL, Inc.</u> Signature: <u>McCabe Wheeler</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1100217 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
 SUR  
 ALL CHEMICALS ON SINGLE  
 PROJECT? YES NO



**SPL**  
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## CHAIN OF CUSTODY

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**121**

Printed 03/21/2024 Page 1 of 1  
 Lab Number 249-2054  
 PO Number Mandatory 4501126749  
 Phone 956/383-4911

**Waste Water Sample # 249 - A** *Hand Delivered by Client to Region or LAB*

### Matrix: Non-Potable Water

#### Sample Collection Start

Date: 4-18-24 Time: 9:00 AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: A213

Sampler Signature: Juan Martinez

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

**1** H2SO4 to pH <2 250 ml Polyethylene

NELAC

COD

Chemical Oxygen Demand

SM 5220 D-2011 (28.0 days)

#### Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
4-18-24 9:30 AM	Printed Name: Juan Martinez Signature: Juan Martinez Affiliation: A213	4-18-24 11:30	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL
4-18-24 12:30	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	4-18-24 12:30	Printed Name: FedEx Signature: FedEx Affiliation: FedEx
4-19-24 10:30	Printed Name: FedEx Signature: FedEx Affiliation: FedEx	4-19-24	Printed Name: McCabe Wheeler SPL, Inc. Signature: McCabe Wheeler Affiliation: McCabe Wheeler SPL, Inc.
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature:

Sample Received on Ice? ☐ Yes ☐ No

Cooler/Sample Secure? ☐ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

#### Comments



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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008 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0033 0034 0035 0036 0037 0038 0039 0040 0041 0042 0043 0044 0045 0046 0047 0048 0049 0050 0051 0052 0053 0054 0055 0056 0057 0058 0059 0060 0061 0062 0063 0064 0065 0066 0067 0068 0069 0070 0071 0072 0073 0074 0075 0076 0077 0078 0079 0080 0081 0082 0083 0084 0085 0086 0087 0088 0089 0090 0091 0092 0093 0094 0095 0096 0097 0098 0099 0100 0101 0102 0103 0104 0105 0106 0107 0108 0109 0110 0111 0112 0113 0114 0115 0116 0117 0118 0119 0120 0121 0122 0123 0124 0125 0126 0127 0128 0129 0130 0131 0132 0133 0134 0135 0136 0137 0138 0139 0140 0141 0142 0143 0144 0145 0146 0147 0148 0149 0150 0151 0152 0153 0154 0155 0156 0157 0158 0159 0160 0161 0162 0163 0164 0165 0166 0167 0168 0169 0170 0171 0172 0173 0174 0175 0176 0177 0178 0179 0180 0181 0182 0183 0184 0185 0186 0187 0188 0189 0190 0191 0192 0193 0194 0195 0196 0197 0198 0199 0200 0201 0202 0203 0204 0205 0206 0207 0208 0209 0210 0211 0212 0213 0214 0215 0216 0217 0218 0219 0220 0221 0222 0223 0224 0225 0226 0227 0228 0229 0230 0231 0232 0233 0234 0235 0236 0237 0238 0239 0240 0241 0242 0243 0244 0245 0246 0247 0248 0249 0250 0251 0252 0253 0254 0255 0256 0257 0258 0259 0260 0261 0262 0263 0264 0265 0266 0267 0268 0269 0270 0271 0272 0273 0274 0275 0276 0277 0278 0279 0280 0281 0282 0283 0284 0285 0286 0287 0288 0289 0290 0291 0292 0293 0294 0295 0296 0297 0298 0299 0300 0301 0302 0303 0304 0305 0306 0307 0308 0309 0310 0311 0312 0313 0314 0315 0316 0317 0318 0319 0320 0321 0322 0323 0324 0325 0326 0327 0328 0329 0330 0331 0332 0333 0334 0335 0336 0337 0338 0339 0340 0341 0342 0343 0344 0345 0346 0347 0348 0349 0350 0351 0352 0353 0354 0355 0356 0357 0358 0359 0360 0361 0362 0363 0364 0365 0366 0367 0368 0369 0370 0371 0372 0373 0374 0375 0376 0377 0378 0379 0380 0381 0382 0383 0384 0385 0386 0387 0388 0389 0390 0391 0392 0393 0394 0395 0396 0397 0398 0399 0400 0401 0402 0403 0404 0405 0406 0407 0408 0409 0410 0411 0412 0413 0414 0415 0416 0417 0418 0419 0420 0421 0422 0423 0424 0425 0426 0427 0428 0429 0430 0431 0432 0433 0434 0435 0436 0437 0438 0439 0440 0441 0442 0443 0444 0445 0446 0447 0448 0449 0450 0451 0452 0453 0454	
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Project  
1103738

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 07/03/2024  
13:20

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1103738_r10_05_ProjectQC	SPL Kilgore Project P:1103738 C:AZM3 Project Quality Control Groups	2
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SAMPLE CROSS REFERENCE

Project  
1103738

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 7/3/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2299895	Waste Water Sample# 250	05/16/2024	09:00:00	05/17/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1119940) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1119940) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1119940	05/23/2024	1119940	05/23/2024
SM 2540 D-2015	01	1120256	05/20/2024	1120256	05/20/2024
SM 4500-H+ B-2011	01	1120300	05/21/2024	1120300	05/21/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1103738**

Printed: 07/03/2024

## RESULTS

### Sample Results

**2299895** Waste Water Sample# 250

Received: 05/17/2024

Non-Potable Water

Collected by: Client  
Taken: 05/16/2024

Azteca Milling, LP  
09:00:00

PO: 4501126749

SM 2540 D-2015

Prepared: 1120256 05/20/2024 13:30:00 Analyzed 1120256 05/20/2024 13:30:00 SLS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	625	mg/L	100			01

SM 4500-H+ B-2011

Prepared: 1120300 05/21/2024 14:15:00 Analyzed 1120300 05/21/2024 14:15:00 KBG

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	11.7@20C	ml	2.00			01

SM 5210 B-2016

Prepared: 1119940 05/18/2024 Analyzed 1119940 05/23/2024 14:13:46 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	2310	mg/L	250		1026-3	01

### Sample Preparation

**2299895** Waste Water Sample# 250

Received: 05/17/2024

4501126749

05/16/2024

Prepared: 12/31/1899 13:10:00 Calculated 13:10:00 CAL

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared: 1119858 05/20/2024 13:30:00 Analyzed 1119858 05/20/2024 13:30:00 SLS

NELAC TSS Set Started

Started



Report Page 3 of 8

**AZM3-R**

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1103738**

Printed: 07/03/2024

**2299895 Waste Water Sample# 250**

Received: 05/17/2024  
4501126749

05/16/2024

SM 5210 B-2016

Prepared: 1119940 05/18/2024

Analyzed 1119940 05/18/2024 06:41:10 JWI

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

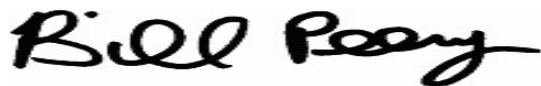
Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1103738

Printed 07/03/2024

Analytical Set 1119940

SM 5210 B-2016

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1119940	0.2	0.200	0.500	mg/L	126348085
Biochemical Oxygen Demand (BOD5)	1119940	0.2	0.200	0.500	mg/L	126348135
Biochemical Oxygen Demand (BOD5)	1119940	0.2	0.200	0.500	mg/L	126348285

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2299791	4.41	4.49	mg/L	1.80	30.0
Biochemical Oxygen Demand (BOD5)	2299815	10900	10700	mg/L	1.85	30.0
Biochemical Oxygen Demand (BOD5)	2299862	4.88	5.08	mg/L	4.02	30.0
Biochemical Oxygen Demand (BOD5)	2299905	64.0	68.5	mg/L	6.79	30.0
Biochemical Oxygen Demand (BOD5)	2300105	50.5	46.0	mg/L	9.33	30.0

## Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1119940	1.10	0.200	0.500	mg/L	126348087
Biochemical Oxygen Demand (BOD5)	1119940	1.04	0.200	0.500	mg/L	126348137
Biochemical Oxygen Demand (BOD5)	1119940	1.01	0.200	0.500	mg/L	126348287

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		221	0	mg/L	112	83.7 - 116	126348088
Biochemical Oxygen Demand (BOD5)		218	0	mg/L	110	83.7 - 116	126348138
Biochemical Oxygen Demand (BOD5)		222	0	mg/L	112	83.7 - 116	126348288

Analytical Set 1120256

SM 2540 D-2015

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1120256	ND	2	2	mg/L	126354705

## ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1120256	0.0001			grams	126354704

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2299864	960	973	mg/L	1.35	20.0
Total Suspended Solids	2299866	476	472	mg/L	0.844	20.0
Total Suspended Solids	2299895	635	625	mg/L	1.59	20.0

## LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1120256	54.0	50.0	mg/L	108	90.0 - 110	126354738

## Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	126354737

Email: Kilgore.ProjectManagement@spillabs.com



Report Page 5 of 8

QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1103738

Printed 07/03/2024

Analytical Set		1120300					SM 4500-H+ B-2011	
		Duplicate						
<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>		<i>Unit</i>		<i>RPD</i>	<i>Limit%</i>
Laboratory pH	2299056	7.30	7.30		SU		0	20.0
		Standard						
<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>	
Laboratory pH	1120300	6.00	6.00	SU	100	90.0 - 110	126355567	
Laboratory pH	1120300	8.00	8.00	SU	100	90.0 - 110	126355568	
Laboratory pH	1120300	6.00	6.00	SU	100	90.0 - 110	126355577	
Laboratory pH	1120300	8.00	8.00	SU	100	90.0 - 110	126355578	

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1-r_2) / \text{mean}(r_1,r_2) * 100\%$  Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)



1103738 CoC Print Group 001 of 001

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 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

0.00  
 CLIENT COCs ON SINGLE  
 PROJECT? YES NO



**SPL**  
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Printed 01/17/2024

Page 1 of 2

**CHAIN OF CUSTODY**

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

**AZM3-R**  
**101**

Lab Number

**2299899**

PO Number

**4501126749**

Phone

956/383-4911

**Waste Water Sample# 250**

Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

## Sample Collection Start

Date: **5-16-24** Time: **9:00 AM**Sampler Printed Name: **Juan Martinez**Sampler Affiliation: **AZM3**Sampler Signature: **Juan Martinez**Samples Radioactive? ☐Samples Contain Dioxin? ☐Samples Biological Hazard? ☐**1** Polyethylene 1/2 gal (White)

NPLAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NPLAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

**1** Polyethylene Quart

NPLAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
5-16-24	10:30 AM	Printed Name: Juan Martinez Affiliation: AZM3 Signature: Juan Martinez	Printed Name: B DE LEON Affiliation: SPL Signature: B DE LEON
5/16/24	17:30	Printed Name: B DE LEON Affiliation: SPL Signature: B DE LEON	Printed Name: FedEx Affiliation: FedEx Signature: FedEx
5/17/24	08:30	Printed Name: FedEx Affiliation: FedEx Signature: FedEx	Printed Name: McCabe Wheeler SPL, Inc. Affiliation: McCabe Wheeler SPL, Inc. Signature: McCabe Wheeler
		Printed Name: Affiliation: Signature:	Printed Name: Affiliation: Signature:



RGV Region: 2401 Village Dr, Suite C Brownsville TX 78521





Project  
1107762

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 07/11/2024  
11:04

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SAMPLE CROSS REFERENCE

Project  
1107762

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 7/11/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2309675	Waste Water Sample# 251	06/19/2024	09:00:00	06/20/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1125063) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1125063) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1125063	06/26/2024	1125063	06/26/2024
SM 2540 D-2015	01	1125538	06/24/2024	1125538	06/24/2024
SM 4500-H+ B-2011	01	1125640	06/26/2024	1125640	06/26/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1107762

Printed: 07/11/2024

RESULTS

Sample Results

2309675		Waste Water Sample# 251					Received:		06/20/2024						
Non-Potable Water		Collected by: Client		Azteca Milling, LP		PO:		4501126749							
		Taken: 06/19/2024		09:00:00											
SM 2540 D-2015		Prepared: 1125538		06/24/2024		09:00:00		Analyzed 1125538		06/24/2024		09:00:00		ADR	
Parameter		Results		Units		RL		Flags		CAS		Bottle			
NELAC	Total Suspended Solids	2690		mg/L		66.7								01	
SM 4500-H+ B-2011		Prepared: 1125640		06/26/2024		07:51:04		Analyzed 1125640		06/26/2024		07:51:04		SRJ	
Parameter		Results		Units		RL		Flags		CAS		Bottle			
NELAC	Laboratory pH	11.8 @ 19 C		SU		2.00								01	
SM 5210 B-2016		Prepared: 1125063		06/21/2024				Analyzed 1125063		06/26/2024		16:17:22		JW1	
Parameter		Results		Units		RL		Flags		CAS		Bottle			
NELAC	Biochemical Oxygen Demand (BOD5)	3360		mg/L		250		BX		1026-3				01	

Sample Preparation

2309675

Waste Water Sample# 251

Received:

06/20/2024

4501126749

06/19/2024

Prepared:

06/20/2024

14:38:44

Calculated

06/20/2024

14:38:44

CAL

z

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared:

1124748

06/24/2024

09:00:00

Analyzed

1124748

06/24/2024

09:00:00

ADR

NELAC

TSS Set Started

Started



**AZM3-R**

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1107762**

Printed: 07/11/2024

**2309675** Waste Water Sample# 251

Received: 06/20/2024  
4501126749

06/19/2024

SM 5210 B-2016

Prepared: 1125063 06/21/2024

Analyzed 1125063 06/21/2024 06:07:51 JW1

NELAC **BOD Set Started**

**Started**

Qualifiers:

B - Analyte detected in the associated method blank X - Standard reads higher than desired.

We report results on an As Received (or Wet) basis unless marked Dry Weight.


Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
**1107762**

Printed 07/11/2024

Analytical Set **1125063** SM 5210 B-2016

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1125063	0.3	0.200	0.500	mg/L	* 126472760
Biochemical Oxygen Demand (BOD5)	1125063	0.3	0.200	0.500	mg/L	* 126472810
Biochemical Oxygen Demand (BOD5)	1125063	0.3	0.200	0.500	mg/L	* 126472864

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2309468	7.97	8.25	mg/L	3.45	30.0
Biochemical Oxygen Demand (BOD5)	2309545	17.2	18.0	mg/L	4.55	30.0
Biochemical Oxygen Demand (BOD5)	2309600	1650	1580	mg/L	4.33	30.0
Biochemical Oxygen Demand (BOD5)	2309710	11.3	11.1	mg/L	1.79	30.0
Biochemical Oxygen Demand (BOD5)	2309865	38.1	40.5	mg/L	6.11	30.0
Biochemical Oxygen Demand (BOD5)	2310014	5.39	5.39	mg/L	0	30.0

### Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1125063	1.06	0.200	0.500	mg/L	126472762
Biochemical Oxygen Demand (BOD5)	1125063	1.19	0.200	0.500	mg/L	126472812
Biochemical Oxygen Demand (BOD5)	1125063	1.09	0.200	0.500	mg/L	126472866

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	213	198	mg/L	108	83.7 - 116		126472763
Biochemical Oxygen Demand (BOD5)	234	198	mg/L	118	83.7 - 116	*	126472813
Biochemical Oxygen Demand (BOD5)	222	198	mg/L	112	83.7 - 116		126472867

Analytical Set **1125538** SM 2540 D-2015

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1125538	ND	2	2	mg/L	126486099

### ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1125538	0.0001			grams	126486098

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2309675	2350	2690	mg/L	13.5	20.0
Total Suspended Solids	2309792	142	135	mg/L	5.05	20.0
Total Suspended Solids	2310096	7.80	9.20	mg/L	16.5	20.0

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1125538	47.0	50.0	mg/L	94.0	90.0 - 110	126486132

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
------------------	---------------	----------------	--------------	--------------	-----------------	----------------	-------------

Email: Kilgore.ProjectManagement@spilabs.com



Report Page 5 of 8

# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

*Project*  
**1107762**

Printed 07/11/2024

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>94.0</b>	<b>100</b>	<b>mg/L</b>	<b>94.0</b>	<b>90.0 - 110</b>	<b>126486131</b>

Analytical Set **1125640** SM 4500-H+ B-2011

Duplicate							
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>		<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	<b>2308883</b>	<b>7.5</b>	<b>7.4</b>		<b>SU</b>	1.34	20.0
Laboratory pH	<b>2310030</b>	<b>7.4</b>	<b>7.4</b>		<b>SU</b>	0	20.0

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	<b>1125640</b>	<b>6.01</b>	<b>6.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126488401</b>
Laboratory pH	<b>1125640</b>	<b>8.00</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126488402</b>
Laboratory pH	<b>1125640</b>	<b>6.04</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126488414</b>
Laboratory pH	<b>1125640</b>	<b>8.00</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126488415</b>
Laboratory pH	<b>1125640</b>	<b>6.05</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126488427</b>
Laboratory pH	<b>1125640</b>	<b>8.02</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126488428</b>

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

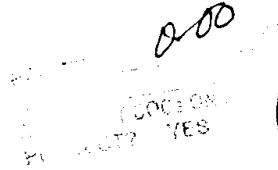
Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)



Report Page 6 of 8

1107762 CoC Print Group 001 of 001

2000 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
 The Science of Soil

## CHAIN OF CUSTODY

Printed 01/17/2024

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number 2309475  
 PO Number 4501126749  
 Phone 956/383-4911

**Waste Water Sample# 251**

☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 6-19-24 Time: 9:00A

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ Polyethylene Quart

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
6/19/24	11:14	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
6/19/24	17:30	Printed Name: <u>[Signature]</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>FedEx</u> Signature: <u>[Signature]</u>
6/20/24	10:00	Printed Name: <u>[Signature]</u> Affiliation: <u>FedEx</u> Signature: <u>[Signature]</u>	Printed Name: <u>Hayshawn Thompson</u> Affiliation: <u>SPL</u> Signature: <u>[Signature]</u>
		Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>	Printed Name: <u>[Signature]</u> Affiliation: <u>[Signature]</u> Signature: <u>[Signature]</u>



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1107762 CoC Print Group 001 of 001

10218

Sender's Name

Company

Address: 101 V.I.

City: Brownsville

Your Internal Billing Reference

To Recipient's Name: LOGIN

Company: SPL

Address: 2600 Dudley Rd

City: Brownsville

State: TX ZIP: 75

Trk# 8171 3103 3170

XS GGGA

SHIP DATE: 19JUN24  
ACTWT: 74.35 LB  
CNO: 6994257/88FE2521  
DIM: 24x14x13 IN

BILL THIRD PARTY

00 DUDLEY RD  
KILGORE TX 75662

FedEx Express

THU - 20 JUN 10:30A  
PRIORITY OVERNIGHT

75662 SHV

Date: 6/20 Time: 1030 RT  
Temp: 2.0/1.3 Tech: C

Therm#: 6444 Corr Fact: -0.7 C

8171 3103 3170



Project  
1109868

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 07/16/2024  
16:16

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1109868_r03_03_ProjectResults	SPL Kilgore Project P:1109868 C:AZM3 Project Results t:304 PO: 4501126749	2
1109868_r10_05_ProjectQC	SPL Kilgore Project P:1109868 C:AZM3 Project Quality Control Groups	2
1109868_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1109868_1_of_1	2
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SAMPLE CROSS REFERENCE

Project  
1109868

Printed 7/16/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2314727	Waste Water Sample# 252	07/09/2024	08:00:00	07/10/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1127703) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1127703) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1127703	07/16/2024	1127703	07/16/2024
SM 2540 D-2015	01	1128181	07/12/2024	1128181	07/12/2024
SM 4500-H+ B-2011	01	1128245	07/15/2024	1128245	07/15/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1109868**

Printed: 07/16/2024

## RESULTS

### Sample Results

**2314727** Waste Water Sample# 252

Received: 07/10/2024

Non-Potable Water

Collected by: Client  
Taken: 07/09/2024

Azteca Milling, LP  
08:00:00

PO: 4501126749

SM 2540 D-2015

Prepared: 1128181 07/12/2024 12:00:00 Analyzed 1128181 07/12/2024 12:00:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	515	mg/L	100			01

SM 4500-H+ B-2011

Prepared: 1128245 07/15/2024 09:17:00 Analyzed 1128245 07/15/2024 09:17:00 SRJ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	11.9 @ 18 C	SU	2.00			01

SM 5210 B-2016

Prepared: 1127703 07/11/2024 Analyzed 1127703 07/16/2024 13:45:03 ESN

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	3860	mg/L	750		1026-3	01

### Sample Preparation

**2314727** Waste Water Sample# 252

Received: 07/10/2024

4501126749

07/09/2024

Prepared: 07/10/2024 15:50:31 Calculated 07/10/2024 15:50:31 CAL

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared: 1127753 07/12/2024 12:00:00 Analyzed 1127753 07/12/2024 12:00:00 BEK

NELAC TSS Set Started

Started



Report Page 3 of 8

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1109868

Printed: 07/16/2024

2314727 Waste Water Sample# 252

Received: 07/10/2024  
4501126749

07/09/2024

SM 5210 B-2016

Prepared: 1127703 07/11/2024

Analyzed 1127703 07/11/2024 06:51:51 ESN

NELAC BOD Set Started

Started

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1109868

Printed 07/16/2024

Analytical Set 1127703

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1127703	0.1	0.200	0.500	mg/L	126532061
Biochemical Oxygen Demand (BOD5)	1127703	0.1	0.200	0.500	mg/L	126532113
Biochemical Oxygen Demand (BOD5)	1127703	0.1	0.200	0.500	mg/L	126532165
Biochemical Oxygen Demand (BOD5)	1127703	0.1	0.200	0.500	mg/L	126532215

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2314384	9.09	8.17	mg/L	10.7	30.0
Biochemical Oxygen Demand (BOD5)	2314566	55.1	51.5	mg/L	6.75	30.0
Biochemical Oxygen Demand (BOD5)	2314596	18.7	19.3	mg/L	3.16	30.0
Biochemical Oxygen Demand (BOD5)	2314693	834	862	mg/L	3.30	30.0
Biochemical Oxygen Demand (BOD5)	2314798	17.3	17.3	mg/L	0	30.0
Biochemical Oxygen Demand (BOD5)	2314889	3.63	3.11	mg/L	15.4	30.0
Biochemical Oxygen Demand (BOD5)	2314921	3.19	ND	mg/L	200 *	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1127703	0.857	0.200	0.500	mg/L	126532063
Biochemical Oxygen Demand (BOD5)	1127703	0.970	0.200	0.500	mg/L	126532115
Biochemical Oxygen Demand (BOD5)	1127703	0.993	0.200	0.500	mg/L	126532167
Biochemical Oxygen Demand (BOD5)	1127703	1.00	0.200	0.500	mg/L	126532217

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		228	198	mg/L	115	83.7 - 116	126532064
Biochemical Oxygen Demand (BOD5)		216	198	mg/L	109	83.7 - 116	126532116
Biochemical Oxygen Demand (BOD5)		214	198	mg/L	108	83.7 - 116	126532168
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	126532218

Analytical Set 1128181

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1128181	ND	2	2	mg/L	126543448

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1128181	-0.0001			grams	126543447

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2315597	4.03	4.81	mg/L	17.6	20.0
Total Suspended Solids	2315625	4.32	3.68	mg/L	16.0	20.0

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
-----------	---------	---------	-------	-------	----------	--------	------

Email: Kilgore.ProjectManagement@spilabs.com



Report Page 5 of 8

# QUALITY CONTROL



Page 2 of 2

## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1109868

Printed 07/16/2024

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1128181	51.0	50.0	mg/L	102	90.0 - 110	126543466

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids	110	100	100	mg/L	110	90.0 - 110	126543465

Analytical Set 1128245

SM 4500-H+ B-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2315083	7.4	7.4	SU	0	20.0
Laboratory pH	2315832	8.1	8.1	SU	0	20.0

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1128245	6.01	6.00	SU	100	90.0 - 110	126544725
Laboratory pH	1128245	7.98	8.00	SU	99.8	90.0 - 110	126544726
Laboratory pH	1128245	6.05	6.00	SU	101	90.0 - 110	126544738
Laboratory pH	1128245	8.01	8.00	SU	100	90.0 - 110	126544739
Laboratory pH	1128245	6.04	6.00	SU	101	90.0 - 110	126544751
Laboratory pH	1128245	8.00	8.00	SU	100	90.0 - 110	126544752

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: Kilgore.ProjectManagement@spillabs.com



Report Page 6 of 8

1109868 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
 The Science of Surface

# CHAIN OF CUSTODY

Printed 01/17/2024

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

**AZM3-R**  
**101**

Lab Number

2314727

PO Number

4501126749

Phone

956/383-4911

**Waste Water Sample# 252**

☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 7-9-2024 Time: 8:00AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

**1** Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

**1** Polyethylene Quart

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
7-9-24	12:15 PM	Printed Name: Juan Martinez Signature: Juan Martinez Affiliation: AZM3	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL
7-9-24	12:13	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	Printed Name: [Signature] Signature: [Signature] Affiliation: FedEx
7/10/24	10:30	Printed Name: [Signature] Signature: [Signature] Affiliation: FedEx	Printed Name: [Signature] Signature: [Signature] Affiliation: McCabe Wheeler SPL, Inc.
		Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1109868 CoC Print Group 001 of 001

07/10/08 08:30 PM 12 55:10  
75662  
OVERNIGHT  
2180200812

ORIGIN: DUNHAM, IL 60112  
NA LAB / REV  
401 VILLAGE DR  
DUNHAM, IL 60112  
ROWNSVILLE, IL 60112  
UNITED STATES

SHIP DATE: 08JUL08  
SHIP TIME: 07:10 AM  
CAD: 6894257/BSFE2621  
DIMS: 24x14x19 IN  
THIRD PARTY

Recipient's Copy

Packages up to 150 lbs.  
For packages over 150 lbs., see the  
FedEx Express Freight US Airbill.

Days

Other ☒ Other  
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address, someone at a neighboring  
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kg  
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75662  
TX-US  
SHV

710 1030 Anv  
Date Time Tech  
Temp: 1.6 1.4 C

Therm#: 6443 Corr Fact: -0.2 C

722346 10Jul08 01:54 MCHN 575772610/6894



Project  
1115702

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 08/28/2024  
17:31

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missing test

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Report Name	Description	Pages
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1115702_r03_03_ProjectResults	SPL Kilgore Project P:1115702 C:AZM3 Project Results t:304 PO: 4501126749	2
1115702_r10_05_ProjectQC	SPL Kilgore Project P:1115702 C:AZM3 Project Quality Control Groups	2
1115702_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1115702_1_of_1	2
Total Pages:		7





SAMPLE CROSS REFERENCE

Project  
1115702

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 8/28/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2328616	Waste Water Sample #253	08/19/2024	09:00:00	08/20/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1134413) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1134413) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1134413	08/26/2024	1134413	08/26/2024
SM 2540 D-2015	01	1135747	08/27/2024	1135747	08/27/2024
SM 4500-H+ B-2011	01	1135428	08/27/2024	1135428	08/27/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1115702

Printed: 08/28/2024

missing test

RESULTS

Sample Results

2328616	Waste Water Sample #253	Received:	08/20/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 08/19/2024	09:00:00	4501126749
Supplement to Test Report 2326788			

SM 2540 D-2015		Prepared:	1135747	08/27/2024	10:00:00	Analyzed	1135747	08/27/2024	10:00:00	BLC
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Total Suspended Solids	969	mg/L	57.1					01	

SM 4500-H+ B-2011		Prepared:	1135428	08/27/2024	09:56:00	Analyzed	1135428	08/27/2024	09:56:00	AMS
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	Laboratory pH	11.9 @ 14 C	SU	2.00					01	

SM 5210 B-2016 (TCMP Inhibitor)		Prepared:	1134413	08/21/2024		Analyzed	1134413	08/26/2024	13:20:59	JW1
Parameter		Results	Units	RL		Flags	CAS		Bottle	
NELAC	BOD Carbonaceous	4960	mg/L	750					01	

Sample Preparation

2328616	Waste Water Sample #253	Received:	08/20/2024
			4501126749
	08/19/2024		

		Prepared:	08/20/2024	12:50:02	Calculated	08/20/2024	12:50:02	CAL
z	Environmental Fee (per Project)	Verified						

SM 2540 D-2011		Prepared:	1134800	08/22/2024	11:47:49	Analyzed	1134800	08/22/2024	11:47:49	BLC
NELAC	TSS Set Started	Started								



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AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1115702

Printed: 08/28/2024

2328616 Waste Water Sample #253

Received: 08/20/2024  
4501126749

08/19/2024

SM 5210 B-2016 (TCMP Inhibitor)

Prepared: 1134413 08/21/2024

Analyzed 1134413 08/21/2024 06:11:18 JWI

NELAC BOD<sub>5</sub> Set Started

Started

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

*Project*  
**1115702**

Printed 08/28/2024

Analytical Set **1134413**

**SM 5210 B-2016 (TCMP Inhibitor)**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1134413	0.1	0.200	0.500	mg/L	126679503
BOD Carbonaceous	1134413	0.08	0.200	0.500	mg/L	126683198

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
BOD Carbonaceous	2326731	186	199	mg/L	6.75	30.0
BOD Carbonaceous	2326973	3.31	2.51	mg/L	27.5	30.0
BOD Carbonaceous	2327257	2.27	2.47	mg/L	8.44	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1134413	0.903	0.200	0.500	mg/L	126679505
BOD Carbonaceous	1134413	0.883	0.200	0.500	mg/L	126683200

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
BOD Carbonaceous		220	198	mg/L	111	83.7 - 116	126679506
BOD Carbonaceous		213	198	mg/L	108	83.7 - 116	126683201

Analytical Set **1135747**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1135747	ND	2	2	mg/L	126711743

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1135747	-0.0001			grams	126711742

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2328616	1040	969	mg/L	7.07	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1135747	45.0	50.0	mg/L	90.0	90.0 - 110	126711753

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		100	100	mg/L	100	90.0 - 110	126711752

Analytical Set **1135428**

**SM 4500-H+ B-2011**

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	2328183	7.90	7.90	SU	0	20.0
Laboratory pH	2328596	8.60	8.60	SU	0	20.0

Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)



Report Page 5 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1115702

Printed 08/28/2024

Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Laboratory pH	1135428	6.04	6.00	SU	101	90.0 - 110	126705073
Laboratory pH	1135428	8.00	8.00	SU	100	90.0 - 110	126705074
Laboratory pH	1135428	6.05	6.00	SU	101	90.0 - 110	126705086
Laboratory pH	1135428	8.01	8.00	SU	100	90.0 - 110	126705087
Laboratory pH	1135428	6.04	6.00	SU	101	90.0 - 110	126705097
Laboratory pH	1135428	8.02	8.00	SU	100	90.0 - 110	126705098

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1-r_2) / \text{mean}(r_1,r_2) * 100\%$  Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: Kilgore.ProjectManagement@spillabs.com



1115702 CoC Print Group 001 of 001

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 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

0-00  
 PUT YES  
 ALL CLIENT COCs ON SINGLE  
 PROJECT? YES NO



## CHAIN OF CUSTODY

Printed 02/13/2024 Page 1 of 1

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

AZM3-R  
 120

Lab Number 0326788  
 PO Number \_\_\_\_\_ Mandatory 4501126749  
 Phone \_\_\_\_\_ 956/383-4911

Waste Water Sample # 253

☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

## Sample Collection Start

Date: 8-19-24 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD<sub>5</sub> BOD Carbonaceous

SM 5210 B-2016 (TCMP Inhibitor) (2.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
8-19-24	11:25 AM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>J. Johnigan</u> Affiliation: <u>SPL</u> Signature: <u>J. Johnigan</u>
8/19/24	11:30	Printed Name: <u>J. Johnigan</u> Affiliation: <u>SPL</u> Signature: <u>J. Johnigan</u>	Printed Name: <u>FEDEX</u> Affiliation: <u>FEDEX</u> Signature: <u>FEDEX</u>
8-20-24	1030	Printed Name: <u>FEDEX</u> Affiliation: <u>FEDEX</u> Signature: <u>FEDEX</u>	Printed Name: <u>J. Johnigan - SPL, Inc.</u> Affiliation: <u>SPL, Inc.</u> Signature: <u>J. Johnigan</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____

Sample Received on Ice? ☐ Yes ☐ NoCooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



RGV Region: 240 Village Dr. Suite C Brownsville TX 78521

1115702 CoC Print Group 001 of 001

ORIGIN ID: HRLA (555) 555-5555		SHIP DATE: 19 AUG 24	
ANA LAB / ROV		ACTWGT: 73.3 LB	
2401 VILLAGE DR STE C		CAD: 6994257 SSFE2521	
BROWNSVILLE, TX 77821		DIMS: 24x14x13 IN	
UNITED STATES US		BILL THIRD PARTY	

TO LOGIN	
SPL	
2600 DUDLEY RD	
KILGORE TX 75662	
(555) 555-5555	REF:
INV:	DEPT:
PO:	

		<b>FedEx</b> Express	
			

TRK# 8171 3103 4464	TUE - 20 AUG 10:30A
0200	PRIORITY OVERNIGHT

XS GGGA		75662 SHV	
			

Date	Time	Temp	Therm#
2/20	1030	27/2.5	6443
Tech			
Corr Fact: -0.2 C			

644	
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Project  
1117340

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 09/16/2024  
15:03

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1117340_r10_05_ProjectQC	SPL Kilgore Project P:1117340 C:AZM3 Project Quality Control Groups	2
1117340_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1117340_1_of_1	2
Total Pages:		7





SAMPLE CROSS REFERENCE

Project  
1117340

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 9/16/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2332685	Waste Water Sample# 254	09/09/2024	09:00:00	09/10/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1137528) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1137528) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1137528	09/16/2024	1137528	09/16/2024
SM 2540 D-2015	01	1138056	09/12/2024	1138056	09/12/2024
SM 4500-H+ B-2011	01	1137843	09/12/2024	1137843	09/12/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1117340**

Printed: 09/16/2024

## RESULTS

### Sample Results

**2332685** Waste Water Sample# 254

Received: 09/10/2024

Non-Potable Water

Collected by: Client  
Taken: 09/09/2024

Azteca Milling, LP  
09:00:00

PO: 4501126749

SM 2540 D-2015

Prepared: 1138056 09/12/2024 14:00:00 Analyzed 1138056 09/12/2024 14:00:00 ADR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	1900	mg/L	400			01

SM 4500-H+ B-2011

Prepared: 1137843 09/12/2024 12:25:00 Analyzed 1137843 09/12/2024 12:25:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	11.9 @ 17 C	SU	2.00			01

SM 5210 B-2016

Prepared: 1137528 09/11/2024 Analyzed 1137528 09/16/2024 13:49:22 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	6440	mg/L	750		1026-3	01

### Sample Preparation

**2332685** Waste Water Sample# 254

Received: 09/10/2024

09/09/2024

4501126749

Prepared: 09/11/2024 07:51:38 Calculated 09/11/2024 07:51:38 CAL

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared: 1137551 09/11/2024 15:00:00 Analyzed 1137551 09/11/2024 15:00:00 ADR

NELAC TSS Set Started

Started



Report Page 3 of 8

**AZM3-R**

Page 2 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Project  
**1117340**

Printed: 09/16/2024

**2332685 Waste Water Sample# 254**

Received: 09/10/2024  
 4501126749

09/09/2024

SM 2540 D-2011 Prepared: 1137820 09/12/2024 14:00:00 Analyzed 1137820 09/12/2024 14:00:00 ADR

NELAC **TSS Set Started** **Started**

SM 5210 B-2016 Prepared: 1137528 09/11/2024 Analyzed 1137528 09/11/2024 06:12:40 JW1

NELAC **BOD Set Started** **Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.


Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

*Project*  
**1117340**

Printed 09/16/2024

Analytical Set **1137528**

**SM 5210 B-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1137528	0.2	0.200	0.500	mg/L	126752951
Biochemical Oxygen Demand (BOD5)	1137528	0.2	0.200	0.500	mg/L	126753005

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2332675	124	120	mg/L	3.28	30.0
Biochemical Oxygen Demand (BOD5)	2332700	ND	ND	mg/L		30.0
Biochemical Oxygen Demand (BOD5)	2332816	13.4	12.4	mg/L	7.75	30.0
Biochemical Oxygen Demand (BOD5)	2332956	2.52	ND	mg/L	200 *	30.0

## Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1137528	0.930	0.200	0.500	mg/L	126752953
Biochemical Oxygen Demand (BOD5)	1137528	0.900	0.200	0.500	mg/L	126753007

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		222	198	mg/L	112	83.7 - 116	126752954
Biochemical Oxygen Demand (BOD5)		221	198	mg/L	112	83.7 - 116	126753008

Analytical Set **1138056**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1138056	ND	2	2	mg/L	126768786

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1138056	-0.0003			grams	126768785

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2333244	26.0	25.0	mg/L	3.92	20.0
Total Suspended Solids	2333261	14600	14800	mg/L	1.36	20.0
Total Suspended Solids	2333405	74.3	72.9	mg/L	1.90	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1138056	49.0	50.0	mg/L	98.0	90.0 - 110	126768816

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		102	100	mg/L	102	90.0 - 110	126768815

Analytical Set **1137843**

**SM 4500-H+ B-2011**

Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)



Report Page 5 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

Project

1117340

Printed 09/16/2024

Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	2332685	11.9	11.9	SU	0	20.0
Laboratory pH	2332873	7.40	7.40	SU	0	20.0
Standard						
Parameter	Sample	Reading	Known	Units	Recover%	Limits%
Laboratory pH	1137843	6.03	6.00	SU	100	90.0 - 110
Laboratory pH	1137843	8.02	8.00	SU	100	90.0 - 110
Laboratory pH	1137843	6.05	6.00	SU	101	90.0 - 110
Laboratory pH	1137843	8.03	8.00	SU	100	90.0 - 110
Laboratory pH	1137843	6.04	6.00	SU	101	90.0 - 110
Laboratory pH	1137843	8.05	8.00	SU	101	90.0 - 110

File  
126762271  
126762272  
126762284  
126762285  
126762297  
126762298

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1-r_2) / \text{mean}(r_1,r_2) * 100\%$  Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$   
Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: Kilgore.ProjectManagement@spillabs.com



Report Page 6 of 8

1117340 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

0.00  
 SUB: ALL SIGHTS ON SINGLE  
 PROJECT: YES NO



**SPL**  
 The Science of Sure

## CHAIN OF CUSTODY

Printed 01/17/2024

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

**AZM3-R**  
**101**

Lab Number

2332685

PO Number

4501126749

Phone

956/383-4911

**Waste Water Sample# 254**

☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

### Sample Collection Start

Date: 9-9-24 Time: 9:00AM

Sampler Printed Name: Juan Martinez

Sampler Affiliation: AZM3

Sampler Signature: Juan Martinez

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

**1** Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

**1** Polyethylene Quart

NELAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
9-9-24	12:00 PM	Printed Name: Juan Martinez Signature: Juan Martinez Affiliation: AZM3	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL
9/17/24	1:30	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	Printed Name: [Signature] Signature: [Signature] Affiliation: FedEx
9/10/24	1035	Printed Name: [Signature] Signature: [Signature] Affiliation: SPL	Printed Name: Andy Owens - SPL, Inc. Signature: [Signature] Affiliation: SPL
		Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]	Printed Name: [Signature] Signature: [Signature] Affiliation: [Signature]



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

7-10001 10001

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Project  
1121746

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 10/22/2024  
8:26

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1121746_r03_03_ProjectResults	SPL Kilgore Project P:1121746 C:AZM3 Project Results t:304 PO: 4501126749	2
1121746_r10_05_ProjectQC	SPL Kilgore Project P:1121746 C:AZM3 Project Quality Control Groups	2
1121746_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1121746_1_of_1	2
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SAMPLE CROSS REFERENCE

Project  
1121746

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 10/22/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2344577	Waste Water Sample# 255-1	10/14/2024	09:00:00	10/15/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1142959) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1142959) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1142959	10/21/2024	1142959	10/21/2024
SM 2540 D-2015	01	1143283	10/16/2024	1143283	10/16/2024
SM 4500-H+ B-2011	01	1143176	10/17/2024	1143176	10/17/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1121746**

Printed: 10/22/2024

## RESULTS

### Sample Results

**2344577** Waste Water Sample# 255-1

Received: 10/15/2024

Non-Potable Water

Collected by: Client  
Taken: 10/14/2024

Azteca Milling, LP  
09:00:00

PO: 4501126749

SM 2540 D-2015

Prepared: 1143283 10/16/2024 10:00:00 Analyzed 1143283 10/16/2024 10:00:00 ADR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	2740	mg/L	400			01

SM 4500-H+ B-2011

Prepared: 1143176 10/17/2024 05:40:00 Analyzed 1143176 10/17/2024 05:40:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Laboratory pH	12.3 @ 15 C	SU	2.00			01

SM 5210 B-2016

Prepared: 1142959 10/16/2024 Analyzed 1142959 10/21/2024 14:51:01 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	5100	mg/L	750		1026-3	01

### Sample Preparation

**2344577** Waste Water Sample# 255-1

Received: 10/15/2024

4501126749

10/14/2024

Prepared: 10/15/2024 15:02:01 Calculated 10/15/2024 15:02:01 CAL

Environmental Fee (per Project)

Verified

SM 2540 D-2011

Prepared: 1141397 10/16/2024 10:00:00 Analyzed 1141397 10/16/2024 10:00:00 ADR

NELAC TSS Set Started

Started



Report Page 3 of 8

**AZM3-R**

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1121746**

Printed: 10/22/2024

**2344577 Waste Water Sample# 255-1**

Received: 10/15/2024  
4501126749

10/14/2024

SM 5210 B-2016

Prepared: 1142959 10/16/2024

Analyzed 1142959 10/16/2024 06:16:57 JWI

NELAC **BOD Set Started**

**Started**

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

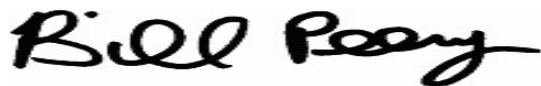
Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1121746

Printed 10/22/2024

Analytical Set 1142959

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1142959	0.08	0.200	0.500	mg/L	126885878
Biochemical Oxygen Demand (BOD5)	1142959	0.08	0.200	0.500	mg/L	126885930
Biochemical Oxygen Demand (BOD5)	1142959	0.04	0.200	0.500	mg/L	126885982

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2344345	183	173	mg/L	5.62	30.0
Biochemical Oxygen Demand (BOD5)	2344526	177	178	mg/L	0.563	30.0
Biochemical Oxygen Demand (BOD5)	2344591	177	183	mg/L	3.33	30.0
Biochemical Oxygen Demand (BOD5)	2344700	16.2	15.8	mg/L	2.50	30.0
Biochemical Oxygen Demand (BOD5)	2344802	5.31	5.23	mg/L	1.52	30.0
Biochemical Oxygen Demand (BOD5)	2344823	7.72	7.90	mg/L	2.30	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1142959	0.847	0.200	0.500	mg/L	126885880
Biochemical Oxygen Demand (BOD5)	1142959	0.843	0.200	0.500	mg/L	126885932
Biochemical Oxygen Demand (BOD5)	1142959	0.833	0.200	0.500	mg/L	126885984

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		217	198	mg/L	110	83.7 - 116	126885881
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	126885933
Biochemical Oxygen Demand (BOD5)		214	198	mg/L	108	83.7 - 116	126885985

Analytical Set 1143283

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1143283	ND	2	2	mg/L	126897204

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1143283	-0.0003			grams	126897203

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2344401	434	484	mg/L	10.9	20.0
Total Suspended Solids	2344403	73.0	75.5	mg/L	3.37	20.0
Total Suspended Solids	2344580	7520	7580	mg/L	0.795	20.0

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1143283	47.0	50.0	mg/L	94.0	90.0 - 110	126897237

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
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Email: Kilgore.ProjectManagement@spilabs.com



Report Page 5 of 8

# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 2 of 2

*Project*  
**1121746**

Printed 10/22/2024

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>98.0</b>	<b>100</b>	<b>mg/L</b>	<b>98.0</b>	<b>90.0 - 110</b>	<b>126897236</b>

Analytical Set

**1143176**

**SM 4500-H+ B-2011**

Duplicate							
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>		<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	<b>2344316</b>	<b>7.60</b>	<b>7.60</b>		<b>SU</b>	<b>0</b>	<b>20.0</b>
Laboratory pH	<b>2345023</b>	<b>6.90</b>	<b>7.00</b>		<b>SU</b>	<b>1.44</b>	<b>20.0</b>

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	<b>1143176</b>	<b>6.05</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126892493</b>
Laboratory pH	<b>1143176</b>	<b>8.03</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126892494</b>
Laboratory pH	<b>1143176</b>	<b>6.04</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126892506</b>
Laboratory pH	<b>1143176</b>	<b>8.00</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126892507</b>
Laboratory pH	<b>1143176</b>	<b>6.05</b>	<b>6.00</b>	<b>SU</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126892519</b>
Laboratory pH	<b>1143176</b>	<b>8.01</b>	<b>8.00</b>	<b>SU</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126892520</b>

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)



Report Page 6 of 8

1121746 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



State of Texas  
 Department of Health  
 Division of Field Epidemiology

## CHAIN OF CUSTODY

P-UP FEE \$ 0.00 TT  
 SUB: \_\_\_\_\_  
 ALL CLIENT COCs ON SINGLE PROJECT? YES NO

Printed 01/17/2024

Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

AZM3-R  
 101

Lab Number 2344577PO Number 4501126749Phone 956/383-4911Waste Water Sample# 255 - 1
☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

## Sample Collection Start

Date: 10-14-24 Time: 9:00 AMSampler Printed Name: Juan MartinezSampler Affiliation: AZM3Sampler Signature: Juan MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ Polyethylene 1/2 gal (White)

NFLAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NFLAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ Polyethylene Quart

NFLAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
10-14-24	12:45 PM	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>
10/14/24	17:30	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>
10-15-24	10:15	Printed Name: <u>Juan Martinez</u> Affiliation: <u>AZM3</u> Signature: <u>Juan Martinez</u>	Printed Name: <u>Andy Owens - SPL, Inc.</u> Affiliation: <u>SPL, Inc.</u> Signature: <u>Andy Owens</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1121746 CoC Print Group 001 of 001

SHIP DATE: 1400123  
FACTWT: 70.85 LB  
CAD: 6994257/SSEE2541  
DIMS: 24x14x13 IN  
BILL THIRD PARTY

LAB: R  
VILLAGE: E C  
NSVILLE: 2521  
ED: 515

LOG  
SPL  
2600 D DLEY RD  
KILGORE TX 75662

(555) 555-5555 REF: PRT:

Part # 156297-450/ANALOG SHIP 06/25

FedEx  
Express

TUE - 15 OCT 10:30A  
PRIORITY OVERNIGHT

8086 3186 8853

XS GGGG 75662  
USA SFV

10/15/05 HJJ  
Date Time Tech  
Temp: 1.6/1.7 C

Therm#: 6443 Corr Fact: 0.1 C



Project  
1124040

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024  
14:14

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SAMPLE CROSS REFERENCE

Project  
1124040

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2351338	Waste Water Sample# 256	11/04/2024	09:00:00	11/05/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 BOD Titration Beaker A (Batch 1146318) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 03 BOD Analytical Beaker B (Batch 1146318) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1146318	11/11/2024	1146318	11/11/2024
SM 2540 D-2015	01	1146645	11/06/2024	1146645	11/06/2024
SM 4500-H+ B-2011	01	1146763	11/07/2024	1146763	11/07/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 2

Project  
1124040

Printed: 11/11/2024

RESULTS

Sample Results

2351338		Waste Water Sample# 256					Received:		11/05/2024		
Non-Potable Water		Collected by: Client		Azteca Milling, LP		PO:		4501126749			
		Taken: 11/04/2024		09:00:00							
SM 2540 D-2015		Prepared:		1146645	11/06/2024	10:20:00	Analyzed	1146645	11/06/2024	10:20:00	ADR
		Parameter	Results	Units	RL		Flags		CAS		Bottle
NELAC	Total Suspended Solids	467		mg/L	133						01
SM 4500-H+ B-2011		Prepared:		1146763	11/07/2024	13:00:00	Analyzed	1146763	11/07/2024	13:00:00	BLC
		Parameter	Results	Units	RL		Flags		CAS		Bottle
NELAC	Laboratory pH	11.7 @ 19C		SU	2.00						01
SM 5210 B-2016		Prepared:		1146318	11/06/2024		Analyzed	1146318	11/11/2024	13:10:06	JWI
		Parameter	Results	Units	RL		Flags		CAS		Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	2420		mg/L	250				1026-3		01

Sample Preparation

2351338		Waste Water Sample# 256					Received:		11/05/2024		
		11/04/2024						4501126749			
		Prepared:		11/05/2024	15:01:55	Calculated	11/05/2024	15:01:55	CAL		
Environmental Fee (per Project)		Verified									
SM 2540 D-2011		Prepared:		1143722	11/06/2024	10:20:00	Analyzed	1143722	11/06/2024	10:20:00	ADR



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124040**

Printed: 11/11/2024

**2351338** Waste Water Sample# 256

Received: 11/05/2024  
4501126749

11/04/2024

SM 2540 D-2011 Prepared: 1143722 11/06/2024 10:20:00 Analyzed 1143722 11/06/2024 10:20:00 ADR

NELAC TSS Set Started Started

SM 5210 B-2016 Prepared: 1146318 11/06/2024 Analyzed 1146318 11/06/2024 06:18:50 JW1

NELAC BOD Set Started Started

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 4 of 8



# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

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Project  
**1124040**

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Analytical Set **1146318** **SM 5210 B-2016**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1146318	0.1	0.200	0.500	mg/L	126979621
Biochemical Oxygen Demand (BOD5)	1146318	0.09	0.200	0.500	mg/L	126979677

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2351205	2.43	2.55	mg/L	4.82	30.0
Biochemical Oxygen Demand (BOD5)	2351365	184	177	mg/L	3.88	30.0
Biochemical Oxygen Demand (BOD5)	2351434	35.0	35.1	mg/L	0.285	30.0
Biochemical Oxygen Demand (BOD5)	2351611	8.27	8.79	mg/L	6.10	30.0

### Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1146318	0.643	0.200	0.500	mg/L	126979623
Biochemical Oxygen Demand (BOD5)	1146318	0.583	0.200	0.500	mg/L	126979679

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		215	198	mg/L	109	83.7 - 116	126979624
Biochemical Oxygen Demand (BOD5)		209	198	mg/L	106	83.7 - 116	126979680

Analytical Set **1146645** **SM 2540 D-2015**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1146645	ND	2	2	mg/L	126986713

### ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1146645	-0.0003			grams	126986712

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2351319	166	175	mg/L	5.28	20.0
Total Suspended Solids	2351336	334	397	mg/L	17.2	20.0

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1146645	48.0	50.0	mg/L	96.0	90.0 - 110	126986731

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		106	100	mg/L	106	90.0 - 110	126986730

Analytical Set **1146763** **SM 4500-H+ B-2011**

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
------------------	---------------	---------------	----------------	-------------	------------	---------------

Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



Report Page 5 of 8

# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

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*Project*  
**1124040**

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### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Laboratory pH	2351338	11.8	11.7	SU	0.851	20.0
Laboratory pH	2351833	7.90	7.90	SU	0	20.0

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Laboratory pH	1146763	6.03	6.00	SU	100	90.0 - 110	126988920
Laboratory pH	1146763	8.05	8.00	SU	101	90.0 - 110	126988921
Laboratory pH	1146763	6.08	6.00	SU	101	90.0 - 110	126988933
Laboratory pH	1146763	8.03	8.00	SU	100	90.0 - 110	126988934
Laboratory pH	1146763	6.05	6.00	SU	101	90.0 - 110	126988946
Laboratory pH	1146763	8.03	8.00	SU	100	90.0 - 110	126988947

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



Report Page 6 of 8

1124040 CoC Print Group 001 of 001

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 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
 SUB: \_\_\_\_\_  
 ALL CLIENT COCs ON SINGLE PROJECT? YES NO



## CHAIN OF CUSTODY

Printed 01/17/2024 Page 1 of 2

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541

AZM3-R  
 101

Lab Number 2351338  
 PO Number 4501126749  
 Phone 956/383-4911

Waste Water Sample# 256
☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 11-24-2024 Time: 9:00 AMSampler Printed Name: Jon MartinezSampler Affiliation: A2M3Sampler Signature: Jon MartinezSamples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ 1 Polyethylene 1/2 gal (White)

NFLAC Short Hold

BOD

Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NFLAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☒ 1 Polyethylene Quart

NFLAC

pHLL

Laboratory pH

SM 4500-H+ B-2011

Ambient Conditions/Comments

Date	Time	Relinquished	Received
<del>11-24-24</del>	<del>9:00 AM</del>	Printed Name: <u>Jon Martinez</u> Affiliation: <u>A2M3</u>	Printed Name: _____ Affiliation: _____
<del>11-24-24</del>		Signature: <u>Jon Martinez</u>	Signature: _____
<del>11-24-24</del>	<del>1:45 PM</del>	Printed Name: <u>Jon Martinez</u> Affiliation: <u>A2M3</u>	Printed Name: _____ Affiliation: _____
<del>11-24-24</del>		Signature: <u>Jon Martinez</u>	Signature: <u>[Signature]</u> SPL
<del>11-4-24</del>	<del>17:30</del>	Printed Name: _____ Affiliation: _____	Printed Name: _____ Affiliation: _____
<del>11-4-24</del>		Signature: <u>[Signature]</u> SPL	Signature: <u>[Signature]</u> FedEx
<del>11-5-24</del>	<del>1045</del>	Printed Name: <u>[Signature]</u> Affiliation: _____	Printed Name: <u>Andy Owens - SPL, Inc.</u> Affiliation: _____
<del>11-5-24</del>		Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



Attachment F  
Pollutant Analysis



Project  
1122178

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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14:43

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1122178_r03_03_ProjectResults	SPL Kilgore Project P:1122178 C:AZM3 Project Results t:304 PO: 4501288570	11
1122178_r10_05_ProjectQC	SPL Kilgore Project P:1122178 C:AZM3 Project Quality Control Groups	20
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SAMPLE CROSS REFERENCE

Project

1122178

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 10/30/2024 Page 1 of 4

Sample	Sample ID	Taken	Time	Received
2345891	Permit Renew	10/16/2024	09:10:00	10/17/2024

- Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 Polyethylene Quart  
Bottle 03 Glass Qt w/Teflon lined lid  
Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 06 Glass /clean metals w/HCl  
Bottle 07 16 oz HNO3 Metals Plastic  
Bottle 08 250 ml unpreserved HDPE  
Bottle 09 Prepared Bottle: Filtered, Preserved with HNO3 to pH < 2  
Bottle 10 NaOH to pH >12 Polyethylene 250 mL/amber  
Bottle 11 8 oz Plastic H2SO4 pH < 2  
Bottle 12 8 oz Plastic H2SO4 pH < 2  
Bottle 13 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
Bottle 14 Cr+6 Preserved 250 Polyethylene  
Bottle 15 BOD Titration Beaker A (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 16 BOD Analytical Beaker B (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 17 BOD Titration Beaker A (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 18 BOD Analytical Beaker B (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 19 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1143433) Volume: 20.00000 mL <== Derived from 11 ( 20 ml )  
Bottle 20 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1143436) Volume: 6.00000 mL <== Derived from 11 ( 6 ml )  
Bottle 21 Prepared Bottle: ICP Preparation for Metals (Batch 1143516) Volume: 50.00000 mL <== Derived from 07 ( 50 ml )  
Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1143572) Volume: 10.00000 mL <== Derived from 10 ( 5 ml )  
Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1144114) Volume: 50.00000 mL <== Derived from 07 ( 50 ml )  
Bottle 24 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 06 ( 47 ml )  
Bottle 25 Prepared Bottle: SAR extraction  
Bottle 26 Prepared Bottle: SAR extraction

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1143542	10/17/2024	1143542	10/17/2024
EPA 300.0 2.1	01	1144140	10/22/2024	1144140	10/22/2024
EPA 200.8 5.4	21	1143516	10/18/2024	1144297	10/23/2024
EPA 200.8 5.4	21	1143516	10/18/2024	1145311	10/30/2024
EPA 200.7 4.4	23	1144114	10/23/2024	1144230	10/23/2024
EPA 200.7, Rev. 4.4	09	1144479	10/24/2024	1144479	10/24/2024
EPA 215.1	25	1144894	10/28/2024	1144894	10/28/2024
EPA 245.7 2	24	1144323	10/24/2024	1144444	10/24/2024
EPA 242.1	25	1144894	10/28/2024	1144894	10/28/2024
SM 5210 B-2016	01	1143429	10/23/2024	1143429	10/23/2024
SM 5210 B-2016 (TCMP Inhibitor)	01	1143430	10/23/2024	1143430	10/23/2024

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# SAMPLE CROSS REFERENCE

Project

1122178

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
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Sample	Sample ID	Taken	Time	Received
2345891	Permit Renew	10/16/2024	09:10:00	10/17/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 Glass Qt w/Teflon lined lid  
 Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 06 Glass /clean metals w/HCl  
 Bottle 07 16 oz HNO3 Metals Plastic  
 Bottle 08 250 ml unpreserved HDPE  
 Bottle 09 Prepared Bottle: Filtered, Preserved with HNO3 to pH < 2  
 Bottle 10 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 11 8 oz Plastic H2SO4 pH < 2  
 Bottle 12 8 oz Plastic H2SO4 pH < 2  
 Bottle 13 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
 Bottle 14 Cr+6 Preserved 250 Polyethylene  
 Bottle 15 BOD Titration Beaker A (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 16 BOD Analytical Beaker B (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Titration Beaker A (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Analytical Beaker B (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
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 Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1143572) Volume: 10.00000 mL <== Derived from 10 ( 5 ml )  
 Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1144114) Volume: 50.00000 mL <== Derived from 07 ( 50 ml )  
 Bottle 24 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 06 ( 47 ml )  
 Bottle 25 Prepared Bottle: SAR extraction  
 Bottle 26 Prepared Bottle: SAR extraction

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN <sup>-</sup> E-2016	22	1143572	10/18/2024	1144166	10/23/2024
SM 5220 D-2011	12	1143684	10/18/2024	1143684	10/18/2024
SM 2510 B-2011	01	1144286	10/24/2024	1144286	10/24/2024
Calculation			10/24/2024		10/24/2024
SM 3500-Cr B-2011	14	1143604	10/18/2024	1143604	10/18/2024
SM 3500-Cr B-2011		1143456	10/16/2024	1143456	10/16/2024
EPA 1664B (HEM)	04	1145067	10/28/2024	1145067	10/28/2024
EPA 350.1 2	20	1143436	10/18/2024	1143891	10/22/2024
EPA 351.2 minus EPA 350.1			10/22/2024		10/22/2024
600/2-78-054 3.2.19			10/29/2024		10/29/2024
SM 2540 C-2015	01	1144188	10/23/2024	1144188	10/23/2024

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

Project

1122178

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Sample	Sample ID	Taken	Time	Received
2345891	Permit Renew	10/16/2024	09:10:00	10/17/2024

- Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 Polyethylene Quart  
Bottle 03 Glass Qt w/Teflon lined lid  
Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 06 Glass /clean metals w/HCl  
Bottle 07 16 oz HNO3 Metals Plastic  
Bottle 08 250 ml unpreserved HDPE  
Bottle 09 Prepared Bottle: Filtered, Preserved with HNO3 to pH < 2  
Bottle 10 NaOH to pH >12 Polyethylene 250 mL/amber  
Bottle 11 8 oz Plastic H2SO4 pH < 2  
Bottle 12 8 oz Plastic H2SO4 pH < 2  
Bottle 13 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
Bottle 14 Cr+6 Preserved 250 Polyethylene  
Bottle 15 BOD Titration Beaker A (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 16 BOD Analytical Beaker B (Batch 1143430) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 17 BOD Titration Beaker A (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 18 BOD Analytical Beaker B (Batch 1143429) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 19 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1143433) Volume: 20.00000 mL <== Derived from 11 ( 20 ml )  
Bottle 20 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1143436) Volume: 6.00000 mL <== Derived from 11 ( 6 ml )  
Bottle 21 Prepared Bottle: ICP Preparation for Metals (Batch 1143516) Volume: 50.00000 mL <== Derived from 07 ( 50 ml )  
Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1143572) Volume: 10.00000 mL <== Derived from 10 ( 5 ml )  
Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1144114) Volume: 50.00000 mL <== Derived from 07 ( 50 ml )  
Bottle 24 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 06 ( 47 ml )  
Bottle 25 Prepared Bottle: SAR extraction  
Bottle 26 Prepared Bottle: SAR extraction

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	19	1143433	10/18/2024	1143724	10/21/2024
SM 5310 C-2014	13	1144530	10/24/2024	1144530	10/24/2024
SM 4500-P E-2011	12	1143715	10/18/2024	1143715	10/18/2024
SM 2540 D-2015	01	1143900	10/21/2024	1143900	10/21/2024
SM 2550 B - 2010		1143412	10/16/2024	1143412	10/16/2024
SM 4500-H+ B-2011		1143411	10/16/2024	1143411	10/16/2024

Sample	Sample ID	Taken	Time	Received
2345918	Permit Renew - FC	10/16/2024	09:10:00	10/17/2024

Email: Kilgore.ProjectManagement@spllabs.com



SAMPLE CROSS REFERENCE

Project  
1122178

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 10/30/2024 Page 4 of 4

Sample	Sample ID	Taken	Time	Received		
2345918	Permit Renew - FC	10/16/2024	09:10:00	10/17/2024		
	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	SM 4500-Cl G-2011		1143416	10/16/2024	1143416	10/16/2024
	Subcontract			10/16/2024		10/16/2024

Sample	Sample ID	Taken	Time	Received
2345920	Hg Field Blank	10/16/2024	09:00:00	10/17/2024

Bottle 01 Glass /clean metals w/HCl  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1144323	10/24/2024	1144444	10/24/2024

Sample	Sample ID	Taken	Time	Received
2345921	Hg Trip Blank	10/11/2024	09:05:00	10/17/2024

Bottle 01 Glass /clean metals w/HCl  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )  
Bottle 03 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )  
Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1144323) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1144323	10/24/2024	1144444	10/24/2024

Email: Kilgore.ProjectManagement@spllabs.com



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project

1122178

Printed: 10/30/2024

RESULTS

Sample Results

2345891		Permit Renew		Received:		10/17/2024															
Non-Potable Water		Collected by: JMZ		SPL Kilgore		PO:		4501288570													
		Taken: 10/16/2024		09:10:00																	
		Prepared:		10/17/2024		17:02:11		Calculated		10/17/2024		17:02:11		CAL							
Parameter		Results		Units		RL		Flags		CAS		Bottle									
Pickup/Sampling/Transport		Verified																			
		Prepared:		1143410		10/16/2024		09:20:00		Analyzed		1143410		10/16/2024		09:20:00		JMZ			
Parameter		Results		Units		RL		Flags		CAS		Bottle									
Field Cl2 Check for CNa		NEG																			
		Prepared:		1143413		10/16/2024		09:10:00		Analyzed		1143413		10/16/2024		09:10:00		JMZ			
Parameter		Results		Units		RL		Flags		CAS		Bottle									
Field Sulfide Check for CNa		NEG		mg/L																	
		600/2-78-054 3.2.19		Prepared:		10/24/2024		16:31:18		Calculated		10/24/2024		16:31:18		CAL					
Parameter		Results		Units		RL		Flags		CAS		Bottle									
Sodium Adsorption Ratio - Liquid		1.52		1																	
		600/2-78-054 3.2.19		Prepared:		10/29/2024		15:12:47		Calculated		10/29/2024		15:12:47		CAL					
Parameter		Results		Units		RL		Flags		CAS		Bottle									
Sodium Adsorption Ratio		1.11		1																	
		Calculation		Prepared:		10/24/2024		15:48:46		Calculated		10/24/2024		15:48:46		CAL					
Parameter		Results		Units		RL		Flags		CAS		Bottle									
AC Trivalent Chromium		0.0027		mg/L		0.015		J		16065-83-1											
		EPA 1664B (HEM)		Prepared:		1145067		10/28/2024		08:05:00		Analyzed		1145067		10/28/2024		08:05:00		MAX	
Parameter		Results		Units		RL		Flags		CAS		Bottle									
AC Oil and Grease (HEM)		7.47		mg/L		4.82		A								04					



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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122178**

Printed: 10/30/2024

**2345891 Permit Renew**

Received: 10/17/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/16/2024

SPL Kilgore  
09:10:00

PO: 4501288570

EPA 200.7.4.4 Prepared: 1144114 10/23/2024 09:00:00 Analyzed 1144230 10/23/2024 14:52:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Boron	0.505	mg/L	0.040		7440-42-8	23

EPA 200.7, Rev. 4.4 Prepared: 1144479 10/24/2024 12:25:00 Analyzed 1144479 10/24/2024 12:25:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Dissolved Magnesium	11.3	mg/L	5.00		7439-95-4	09
NELAC Dissolved Sodium	213	mg/L	5.00		7440-23-5	09

EPA 200.7, Rev. 4.4 Prepared: 1144479 10/24/2024 15:31:00 Analyzed 1144479 10/24/2024 15:31:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Dissolved Calcium	1470	mg/L	50.0		7440-70-2	09

EPA 200.8.5.4 Prepared: 1143516 10/18/2024 08:00:00 Analyzed 1144297 10/23/2024 16:03:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Aluminum, Total	3.05	mg/L	0.00171		7429-90-5	21
NELAC Antimony, Total	<0.00376	mg/L	0.00376		7440-36-0	21
NELAC Barium, Total	0.134	mg/L	0.001		7440-39-3	21
NELAC Beryllium, Total	<0.001	mg/L	0.001		7440-41-7	21
NELAC Cadmium, Total	0.00454	mg/L	0.001		7440-43-9	21
NELAC Chromium, Total	0.0177	mg/L	0.001		7440-47-3	21
NELAC Copper, Total	0.0469	mg/L	0.00155		7440-50-8	21
NELAC Lead, Total	0.00329	mg/L	0.001		7439-92-1	21
NELAC Nickel, Total	0.0183	mg/L	0.00112		7440-02-0	21
NELAC Silver, Total	<0.001	mg/L	0.001		7440-22-4	21
NELAC Thallium, Total	<0.001	mg/L	0.001		7440-28-0	21
NELAC Zinc, Total	0.423	mg/L	0.001		7440-66-6	21

EPA 200.8.5.4 Prepared: 1143516 10/18/2024 08:00:00 Analyzed 1145311 10/30/2024 02:35:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Arsenic, Total	0.00242	mg/L	0.0005		7440-38-2	21
NELAC Selenium, Total	0.00229	mg/L	0.002		7782-49-2	21



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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122178**

Printed: 10/30/2024

**2345891 Permit Renew**

Received: 10/17/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/16/2024

SPL Kilgore  
09:10:00

PO: 4501288570

EPA 215.1 Prepared: 1144894 10/28/2024 10:11:00 Analyzed 1144894 10/28/2024 10:11:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Calcium (SAR Extracted)	1080	mg/L	10.0		7440-70-2	25

EPA 242.1 Prepared: 1144894 10/28/2024 10:11:00 Analyzed 1144894 10/28/2024 10:11:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Magnesium (SAR Extracted)	<10.0	mg/L	10.0		7439-95-4	25

EPA 245.7.2 Prepared: 1144323 10/24/2024 09:00:00 Analyzed 1144444 10/24/2024 11:44:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	24

EPA 300.0 2.1 Prepared: 1143542 10/17/2024 18:37:00 Analyzed 1143542 10/17/2024 18:37:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	241	mg/L	3.00			01
NELAC	Fluoride	53.1	mg/L	1.00			01
NELAC	Nitrate-Nitrogen Total	0.13	mg/L	0.1		14797-55-8	01

EPA 300.0 2.1 Prepared: 1144140 10/22/2024 16:12:00 Analyzed 1144140 10/22/2024 16:12:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Sulfate	433	mg/L	30.0			01

EPA 350.1 2 Prepared: 1143436 10/18/2024 06:45:14 Analyzed 1143891 10/22/2024 10:57:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	9.10	mg/L	0.100			20

EPA 351.2 2 Prepared: 1143433 10/18/2024 06:07:38 Analyzed 1143724 10/21/2024 08:26:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	19.2	mg/L	0.250		7727-37-9	19



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Project  
**1122178**

Printed: 10/30/2024

**2345891 Permit Renew**

Received: 10/17/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/16/2024

SPL Kilgore  
09:10:00

PO: 4501288570

EPA 351.2 minus EPA 350.1 Prepared: 10/22/2024 14:02:34 Calculated 10/22/2024 14:02:34 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nitrogen, Total Organic (as N)	10.10	mg/L	0.250			

EPA 6010C Prepared: 1144894 10/28/2024 10:11:00 Analyzed 1144894 10/28/2024 10:11:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Sodium (SAR Extracted)	133	mg/L	10.0		7440-23-5	25

Handbook 60 Prepared: 10/25/2024 14:30:00 Analyzed 10/25/2024 14:30:00 RC1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Saturated Water Percentage	Inapp Matrix	(100% Sat)				

SM 2510 B-2011 Prepared: 1144286 10/24/2024 06:25:00 Analyzed 1144286 10/24/2024 06:25:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
Lab Spec. Conductance at 25 C	7020	umhos/cm				01

SM 2540 C-2015 Prepared: 1144188 10/23/2024 06:45:00 Analyzed 1144188 10/23/2024 06:45:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Dissolved Solids	7790	mg/L	50.0			01

SM 2540 D-2015 Prepared: 1143900 10/21/2024 14:10:00 Analyzed 1143900 10/21/2024 14:10:00 ADR

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Suspended Solids	2560	mg/L	400			01

SM 2550 B - 2010 Prepared: 1143412 10/16/2024 09:15:00 Analyzed 1143412 10/16/2024 09:15:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
Temperature (onsite)	52	Degrees C	1			



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Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

Project  
**1122178**

Printed: 10/30/2024

### 2345891 Permit Renew

Received: 10/17/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/16/2024

SPL Kilgore  
09:10:00

PO: 4501288570

SM 3500-Cr B-2011 Prepared: 1143456 10/16/2024 09:10:00 Analyzed 1143456 10/16/2024 09:10:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	<0.003	mg/L	0.003		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1143604 10/18/2024 07:00:00 Analyzed 1143604 10/18/2024 07:00:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<0.015	mg/L	0.015		18540-29-9	14

SM 4500-CN<sup>-</sup> E-2016 Prepared: 1143572 10/18/2024 15:40:18 Analyzed 1144166 10/23/2024 06:55:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			22

SM 4500-H+ B-2011 Prepared: 1143411 10/16/2024 09:15:00 Analyzed 1143411 10/16/2024 09:15:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	11	SU				

SM 4500-P E-2011 Prepared: 1143715 10/18/2024 14:00:00 Analyzed 1143715 10/18/2024 14:00:00 AMS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phosphorus (as P), total	21.2	mg/L	3.00		7723-14-0	12

SM 5210 B-2016 Prepared: 1143429 10/18/2024 Analyzed 1143429 10/23/2024 12:52:50 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	4480	mg/L	750		1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1143430 10/18/2024 Analyzed 1143430 10/23/2024 11:51:19 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	BOD Carbonaceous	4650	mg/L	750			01

SM 5220 D-2011 Prepared: 1143684 10/18/2024 10:00:00 Analyzed 1143684 10/18/2024 10:00:00 AMS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122178**

Printed: 10/30/2024

**2345891 Permit Renew**

Received: 10/17/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/16/2024 09:10:00

SM 5220 D-2011 Prepared: 1143684 10/18/2024 10:00:00 Analyzed 1143684 10/18/2024 10:00:00 AMS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chemical Oxygen Demand	10500	mg/L	440			12

SM 5310 C-2014 Prepared: 1144530 10/24/2024 19:06:00 Analyzed 1144530 10/24/2024 19:06:00 JDK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Organic Carbon	14.2	mg/L	1.00			13

**2345918 Permit Renew - FC**

Received: 10/17/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/16/2024 09:10:00

Fecal Coliform subcontracted to CC Water Utilites Laboratory

SM 4500-Cl G-2011 Prepared: 1143416 10/16/2024 09:20:00 Analyzed 1143416 10/16/2024 09:20:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cl2 Res.,Total(Onsite)Spec Mid	<0.05	mg/L	0.05			

Subcontract Prepared: 10/16/2024 15:20:00 Analyzed 10/16/2024 15:20:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle
z Fecal Coliform - RGV region	See Attached				CCWU	

**2345920 Hg Field Blank**

Received: 10/17/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/16/2024 09:00:00

Prepared: 10/17/2024 17:31:52 Calculated 10/17/2024 17:31:52 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
z LL Mercury Field Blank Prep	Verified				7439-97-6	





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Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
1122178

Printed: 10/30/2024

**2345920 Hg Field Blank**

Received: 10/17/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/16/2024 09:00:00

EPA 245.7 2 Prepared: 1144323 10/24/2024 09:00:00 Analyzed 1144444 10/24/2024 11:47:00 MPI

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02

**2345921 Hg Trip Blank**

Received: 10/17/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/11/2024 09:05:00

Prepared: 10/17/2024 17:31:52 Calculated 10/17/2024 17:31:52 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
z LL Mercury Trip Blank Prep	Verified				7439-97-6	

EPA 245.7 2 Prepared: 1144323 10/24/2024 09:00:00 Analyzed 1144444 10/24/2024 11:51:00 MPI

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02

**Sample Preparation**

**2345891 Permit Renew**

Received: 10/17/2024

10/16/2024 4501288570

Prepared: 10/17/2024 17:02:11 Calculated 10/17/2024 17:02:11 CAL

z Environmental Fee (per Project)	Verified
z LL Mercury Test Prep	Verified



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2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

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Project  
1122178

Printed: 10/30/2024

2345891	Permit Renew	Received:	10/17/2024
			4501288570
	10/16/2024		

		Prepared:	1143409	10/16/2024	09:10:00	Analyzed	1143409	10/16/2024	09:10:00	JMZ
NELAC	Field Filtration (Onsite)									
	600/2-78-054 3.2.19	Prepared:	1144793	10/28/2024	07:00:00	Analyzed	1144793	10/28/2024	07:00:00	JDK
	Sodium Adsorption Ratio Extract									
		PREPARED/PREP	ml							03
		AR								
	EPA 1664B (HEM)	Prepared:	1144880	10/28/2024	08:05:00	Analyzed	1144880	10/28/2024	08:05:00	MAX
NELAC	O&G HEM Started									
	EPA 200.2 2.8	Prepared:	1143516	10/18/2024	08:00:00	Analyzed	1143516	10/18/2024	08:00:00	HLT
z	Liquid Metals Digestion		50/50							07
			ml							
	EPA 200.2 2.8	Prepared:	1144114	10/23/2024	09:00:00	Analyzed	1144114	10/23/2024	09:00:00	HLT
z	Liquid Metals Digestion		50/50							07
			ml							
	EPA 242.1	Prepared:		10/24/2024	16:31:18	Calculated		10/24/2024	16:31:18	CAL
NELAC	Magnesium (SAR) meq/L calculatio		0.941							7439-95-4
			meq/L	0.416						
	EPA 245.7 2	Prepared:	1144323	10/24/2024	09:00:00	Analyzed	1144323	10/24/2024	09:00:00	MP1
NELAC	Low Level Mercury Liquid Metals		50/47							06
			ml							
	EPA 273.1	Prepared:		10/24/2024	16:31:18	Calculated		10/24/2024	16:31:18	CAL



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Juan Martinez  
P. O. Box 141  
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Project  
**1122178**

Printed: 10/30/2024

**2345891** Permit Renew

Received: 10/17/2024  
4501288570

10/16/2024

EPA 273.1		Prepared:	10/24/2024	16:31:18	Calculated	10/24/2024	16:31:18	CAL		
NELAC	Calcium (SAR) meq/L calculation	73.5	meq/L	2.50	7440-70-2					
EPA 350.2, Rev. 2.0		Prepared:	1143436	10/18/2024	06:45:14	Analyzed	1143436	10/18/2024	06:45:14	AMB
NELAC	Ammonia Distillation	6.0/6.0	ml	11						
EPA 351.2, Rev 2.0		Prepared:	1143433	10/18/2024	06:07:38	Analyzed	1143433	10/18/2024	06:07:38	AMB
NELAC	TKN Block Digestion	20/20	ml	11						
EPA 6010C		Prepared:	10/24/2024	16:31:18	Calculated	10/24/2024	16:31:18	CAL		
NELAC	Sodium (SAR) meq/L calculation	9.27	meq/L	0.218	7440-23-5					
SM 2540 C-2015		Prepared:	1143605	10/21/2024	07:40:00	Analyzed	1143605	10/21/2024	07:40:00	JMB
NELAC	Total Dissolved Solids Started	Started								
SM 2540 C-2015		Prepared:	1144034	10/23/2024	06:45:00	Analyzed	1144034	10/23/2024	06:45:00	BEK
NELAC	Total Dissolved Solids Started	Started								
SM 2540 D-2011		Prepared:	1141587	10/21/2024	14:10:00	Analyzed	1141587	10/21/2024	14:10:00	ADR
NELAC	TSS Set Started	Started								
SM 4500-CN <sup>-</sup> C-2016		Prepared:	1143572	10/18/2024	15:40:18	Analyzed	1143572	10/18/2024	15:40:18	SRJ



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Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122178**

Printed: 10/30/2024

**2345891 Permit Renew**

Received: 10/17/2024  
4501288570

10/16/2024

SM 4500-CN<sup>-</sup> C-2016 Prepared: 1143572 10/18/2024 15:40:18 Analyzed 1143572 10/18/2024 15:40:18 SRJ

NELAC Cyanide Distillation 10/5 ml 10

SM 5210 B-2016 Prepared: 1143429 10/18/2024 Analyzed 1143429 10/18/2024 05:07:16 JW1

NELAC BOD Set Started Started

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1143430 10/18/2024 Analyzed 1143430 10/18/2024 05:07:16 JW1

NELAC BODc Set Started Started

**2345920 Hg Field Blank**

Received: 10/17/2024  
4501288570

10/16/2024

EPA 245.7 2 Prepared: 1144323 10/24/2024 09:00:00 Analyzed 1144323 10/24/2024 09:00:00 MP1

NELAC Low Level Mercury Liquid Metals 50/47 ml 01

**2345921 Hg Trip Blank**

Received: 10/17/2024  
4501288570

10/11/2024

EPA 245.7 2 Prepared: 1144323 10/24/2024 09:00:00 Analyzed 1144323 10/24/2024 09:00:00 MP1

NELAC Low Level Mercury Liquid Metals 50/47 ml 01



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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



## AZM3-R

Azteca Milling, LP  
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Edinburg, TX 78541-

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Project  
1122178

Printed: 10/30/2024

### Qualifiers:

J - Analyte detected below quantitation limit      A - Lab pH adjusted per method prior to analysis

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery, MS, VP Technical Services



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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

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*Project*  
**1122178**

Printed 10/30/2024

Analytical Set **1143429**

**SM 5210 B-2016**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1143429	0.2	0.200	0.500	mg/L	126899867
Biochemical Oxygen Demand (BOD5)	1143429	0.2	0.200	0.500	mg/L	126899917
Biochemical Oxygen Demand (BOD5)	1143429	0.2	0.200	0.500	mg/L	126899969
Biochemical Oxygen Demand (BOD5)	1143429	0.2	0.200	0.500	mg/L	126900019

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2345481	5.24	5.44	mg/L	3.75	30.0
Biochemical Oxygen Demand (BOD5)	2345549	17.2	17.4	mg/L	1.16	30.0
Biochemical Oxygen Demand (BOD5)	2345633	3.92	3.80	mg/L	3.11	30.0
Biochemical Oxygen Demand (BOD5)	2345759	47.0	46.7	mg/L	0.640	30.0
Biochemical Oxygen Demand (BOD5)	2345786	10.9	11.5	mg/L	5.36	30.0
Biochemical Oxygen Demand (BOD5)	2345826	86.7	87.6	mg/L	1.03	30.0
Biochemical Oxygen Demand (BOD5)	2345930	6.11	6.19	mg/L	1.30	30.0
Biochemical Oxygen Demand (BOD5)	2345997	4.83	4.03	mg/L	18.1	30.0
Biochemical Oxygen Demand (BOD5)	2346031	6.23	5.95	mg/L	4.60	30.0

### Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1143429	0.730	0.200	0.500	mg/L	126899869
Biochemical Oxygen Demand (BOD5)	1143429	0.790	0.200	0.500	mg/L	126899919
Biochemical Oxygen Demand (BOD5)	1143429	0.810	0.200	0.500	mg/L	126899971
Biochemical Oxygen Demand (BOD5)	1143429	0.793	0.200	0.500	mg/L	126900021

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	213	198	mg/L	108	83.7 - 116		126899870
Biochemical Oxygen Demand (BOD5)	208	198	mg/L	105	83.7 - 116		126899920
Biochemical Oxygen Demand (BOD5)	200	198	mg/L	101	83.7 - 116		126899972
Biochemical Oxygen Demand (BOD5)	206	198	mg/L	104	83.7 - 116		126900022

Analytical Set **1143430**

**SM 5210 B-2016 (TCMP Inhibitor)**

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1143430	0.2	0.200	0.500	mg/L	126900053
BOD Carbonaceous	1143430	0.1	0.200	0.500	mg/L	126900103
BOD Carbonaceous	1143430	0.2	0.200	0.500	mg/L	126901970

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
BOD Carbonaceous	2345540	2.47	2.67	mg/L	7.78	30.0
BOD Carbonaceous	2345637	2.27	ND	mg/L	200 *	30.0
BOD Carbonaceous	2345805	122	125	mg/L	2.43	30.0
BOD Carbonaceous	2345932	3.48	5.36	mg/L	42.5 *	30.0

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# QUALITY CONTROL



AZM3-R

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1122178

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Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2346057	2.59	2.47	mg/L	4.74	30.0

Seed Drop						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1143430	0.833	0.200	0.500	mg/L	126900055
BOD Carbonaceous	1143430	0.880	0.200	0.500	mg/L	126900105
BOD Carbonaceous	1143430	0.803	0.200	0.500	mg/L	126901972

Standard						
Parameter	Sample	Reading	Known	Units	Recover%	Limits%
BOD Carbonaceous	223	198	198	mg/L	113	83.7 - 116
BOD Carbonaceous	207	198	198	mg/L	105	83.7 - 116
BOD Carbonaceous	206	198	198	mg/L	104	83.7 - 116

Analytical Set

1143724

EPA 351.2 2

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1143433	ND	0.00712	0.050	mg/L	126909170

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.25	5.00	mg/L	105	90.0 - 110	126909161
Total Kjeldahl Nitrogen	5.28	5.00	mg/L	106	90.0 - 110	126909162
Total Kjeldahl Nitrogen	5.29	5.00	mg/L	106	90.0 - 110	126909166
Total Kjeldahl Nitrogen	5.31	5.00	mg/L	106	90.0 - 110	126909176
Total Kjeldahl Nitrogen	5.13	5.00	mg/L	103	90.0 - 110	126909186
Total Kjeldahl Nitrogen	5.14	5.00	mg/L	103	90.0 - 110	126909196
Total Kjeldahl Nitrogen	5.10	5.00	mg/L	102	90.0 - 110	126909207
Total Kjeldahl Nitrogen	5.10	5.00	mg/L	102	90.0 - 110	126909218
Total Kjeldahl Nitrogen	5.12	5.00	mg/L	102	90.0 - 110	126909229
Total Kjeldahl Nitrogen	5.20	5.00	mg/L	104	90.0 - 110	126909238
Total Kjeldahl Nitrogen	5.42	5.00	mg/L	108	90.0 - 110	126909241
Total Kjeldahl Nitrogen	5.13	5.00	mg/L	103	90.0 - 110	126909244

Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2342187	0.405	0.460	mg/L	12.7	20.0
Total Kjeldahl Nitrogen	2345348	0.421	0.438	mg/L	3.96	20.0

ICV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.10	5.00	mg/L	102	90.0 - 110	126909160

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1143433	5.20	5.16	5.00	90.0 - 110	104	103	mg/L	0.772	20.0

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# QUALITY CONTROL



**AZM3-R**

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*Project*  
**1122178**

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## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Total Kjeldahl Nitrogen	2342187	5.61	0.460	5.00	mg/L	103	80.0 - 120	126909169
Total Kjeldahl Nitrogen	2345348	4.32	0.438	5.00	mg/L	77.6	80.0 - 120	126909175 *

Analytical Set

1143891

EPA 350.1 2

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Ammonia Nitrogen	1143436	ND	0.00336	0.020	mg/L	126912744

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	2.13	2.00	mg/L	106	90.0 - 110	126912725
Ammonia Nitrogen	2.08	2.00	mg/L	104	90.0 - 110	126912734
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	126912743
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	126912753
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	126912764
Ammonia Nitrogen	2.17	2.00	mg/L	108	90.0 - 110	126912775
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	126912786
Ammonia Nitrogen	2.19	2.00	mg/L	110	90.0 - 110	126912795
Ammonia Nitrogen	2.17	2.00	mg/L	108	90.0 - 110	126912798

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	2345822	16.0	15.6	mg/L	2.53	20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	2.16	2.00	mg/L	108	90.0 - 110	126912724

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	1143436	2.13	2.15	2.00	90.0 - 110	106	108	mg/L	0.935	20.0

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Ammonia Nitrogen	2345822	18.2	15.6	2.00	mg/L	130	80.0 - 120	126912749 *

Analytical Set

1144166

SM 4500-CN<sup>-</sup> E-2016

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Cyanide, total	1143572	ND	0.00238	0.005	mg/L	126920021

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	0.513	0.500	mg/L	103	90.0 - 110	126919992
Cyanide, total	0.511	0.500	mg/L	102	90.0 - 110	126920002
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	126920013
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	126920024

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# QUALITY CONTROL



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**AZM3-R**

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*Project*  
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## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	0.516	0.500	mg/L	103	90.0 - 110	126920035
Cyanide, total	0.518	0.500	mg/L	104	90.0 - 110	126920046
Cyanide, total	0.516	0.500	mg/L	103	90.0 - 110	126920057

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	2345856	ND	ND	mg/L		20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	0.208	0.200	mg/L	104	90.0 - 110	126919991

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	1143572	0.400	0.402	0.400	90.0 - 110	100	100	mg/L	0.499	20.0

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Cyanide, total	2345856	0.401	ND	0.400	mg/L	100	90.0 - 110	126920027

Analytical Set **1143410**

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Field Cl2 Check for CNa	1143410	0.21	0.22		95.5	90 - 110	
Field Cl2 Check for CNa	1143410	0.94	0.93		101.1	90 - 110	
Field Cl2 Check for CNa	1143410	1.6	1.6		100	90 - 110	

Analytical Set **1143411**

**SM 4500-H+ B-2011**

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
pH (Onsite)	2345891	11	11	SU		20

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	1143411	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1143411	8.0	8.0	SU	100	90 - 110	

Analytical Set **1143412**

**SM 2550 B - 2010**

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Temperature (onsite)	2345891	51	52	Degrees C	1.9	20

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# QUALITY CONTROL



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**AZM3-R**

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*Project*  
**1122178**

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Analytical Set **1143416**

**SM 4500-CI G-2011**

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cl2 Res.,Total(Onsite)Spec Mid	<b>2345918</b>	<b>ND</b>	<b>ND</b>	<b>mg/L</b>		20

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cl2 Res.,Total(Onsite)Spec Mid	<b>1143416</b>	<b>0.210</b>	<b>0.220</b>	<b>mg/L</b>	<b>95.5</b>	<b>90 - 110</b>	
Cl2 Res.,Total(Onsite)Spec Mid	<b>1143416</b>	<b>0.940</b>	<b>0.930</b>	<b>mg/L</b>	<b>101.1</b>	<b>90 - 110</b>	
Cl2 Res.,Total(Onsite)Spec Mid	<b>1143416</b>	<b>1.57</b>	<b>1.58</b>	<b>mg/L</b>	<b>99.4</b>	<b>90 - 110</b>	

Analytical Set **1143900**

**SM 2540 D-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	<b>1143900</b>	<b>ND</b>	<b>2</b>	<b>2</b>	<b>mg/L</b>	<b>126913033</b>

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	<b>1143900</b>	<b>0</b>			<b>grams</b>	<b>126913032</b>

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	<b>2345821</b>	<b>6620</b>	<b>6700</b>	<b>mg/L</b>	1.20	20.0
Total Suspended Solids	<b>2345939</b>	<b>6480</b>	<b>6700</b>	<b>mg/L</b>	3.34	20.0
Total Suspended Solids	<b>2346055</b>	<b>4780</b>	<b>4780</b>	<b>mg/L</b>	0	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	<b>1143900</b>	<b>50.0</b>	<b>50.0</b>	<b>mg/L</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126913066</b>

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>104</b>	<b>100</b>	<b>mg/L</b>	<b>104</b>	<b>90.0 - 110</b>	<b>126913065</b>

Analytical Set **1144188**

**SM 2540 C-2015**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	<b>1144188</b>	<b>ND</b>	<b>5.00</b>	<b>5.00</b>	<b>mg/L</b>	<b>126920406</b>

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	<b>1144188</b>	<b>-0.0004</b>			<b>grams</b>	<b>126920393</b>

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	<b>2346167</b>	<b>1950</b>	<b>1880</b>	<b>mg/L</b>	3.66	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
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# QUALITY CONTROL



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## AZM3-R

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Project

1122178

Printed 10/30/2024

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	1144188	192	200	mg/L	96.0	85.0 - 115	126920407

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Dissolved Solids		94.0	100	mg/L	94.0	90.0 - 110	126920394

Analytical Set

1145067

EPA 1664B (HEM)

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1145067	1.10	0.804	4.00	mg/L	126946968

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1145067	0.0005			grams	126946967
Oil and Grease (HEM)	1145067	0.0004			grams	126946992

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Oil and Grease (HEM)	1145067	34.8	40.0	mg/L	87.0	78.0 - 114	126946969

### MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	2345542	35.3	0	2.50	40.0	78.0 - 114	88.2		mg/L		20.0

Analytical Set

1143542

EPA 300.0 2.1

### AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Fluoride	0.078	0.100	mg/L	78.0	70.0 - 130	126903292

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1143542	ND	0.0593	0.300	mg/L	126903293
Fluoride	1143542	0.013	0.0112	0.100	mg/L	126903293
Nitrate-Nitrogen Total	1143542	ND	0.00331	0.0226	mg/L	126903293

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1143542	0.020	0.0593	0.300	mg/L	126903289
Chloride	1143542	0.032	0.0593	0.300	mg/L	126903309
Chloride	1143542	0.032	0.0593	0.300	mg/L	126903321
Fluoride	1143542	0	0.0112	0.100	mg/L	126903289
Fluoride	1143542	0.009	0.0112	0.100	mg/L	126903309
Fluoride	1143542	0.009	0.0112	0.100	mg/L	126903321
Nitrate-Nitrogen Total	1143542	0	0.00331	0.0226	mg/L	126903289
Nitrate-Nitrogen Total	1143542	0	0.00331	0.0226	mg/L	126903309
Nitrate-Nitrogen Total	1143542	0	0.00331	0.0226	mg/L	126903321

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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
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**1122178**

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.5	10.0	mg/L	105	90.0 - 110	126903288
Chloride	10.4	10.0	mg/L	104	90.0 - 110	126903308
Chloride	10.4	10.0	mg/L	104	90.0 - 110	126903320
Fluoride	10.5	10.0	mg/L	105	90.0 - 110	126903288
Fluoride	10.4	10.0	mg/L	104	90.0 - 110	126903308
Fluoride	10.4	10.0	mg/L	104	90.0 - 110	126903320
Nitrate-Nitrogen Total	2.32	2.26	mg/L	103	90.0 - 110	126903288
Nitrate-Nitrogen Total	2.29	2.26	mg/L	101	90.0 - 110	126903308
Nitrate-Nitrogen Total	2.31	2.26	mg/L	102	90.0 - 110	126903320

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1143542	5.01	5.09	5.00	85.0 - 115	100	102	mg/L	1.58	20.0
Fluoride	1143542	5.05	5.02	5.00	88.0 - 118	101	100	mg/L	0.596	20.0
Nitrate-Nitrogen Total	1143542	1.06	1.07	1.13	86.3 - 117	93.8	94.7	mg/L	0.939	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2345189	299	283	207	100	80.0 - 120	92.0	76.0 *	mg/L	19.0	20.0
Fluoride	2345189	95.0	89.7	ND	100	80.0 - 120	95.0	89.7	mg/L	5.74	20.0
Nitrate-Nitrogen Total	2345189	21.5	20.7	ND	22.6	80.0 - 120	95.1	91.6	mg/L	3.79	20.0
Chloride	2345217	110	114	89.2	20.0	80.0 - 120	104	124 *	mg/L	17.5	20.0
Fluoride	2345217	18.1	20.2	ND	20.0	80.0 - 120	90.5	101	mg/L	11.0	20.0
Nitrate-Nitrogen Total	2345217	24.8	25.6	20.5	4.52	80.0 - 120	95.1	113	mg/L	17.0	20.0

Analytical Set

1144140

EPA 300.0 2.1

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1144140	ND	0.0605	0.300	mg/L	126919537

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1144140	-0.125	0.0605	0.300	mg/L	126919535
Sulfate	1144140	-0.132	0.0605	0.300	mg/L	126919554
Sulfate	1144140	-0.128	0.0605	0.300	mg/L	126919566
Sulfate	1144140	-0.105	0.0605	0.300	mg/L	126919570

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	126919534
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	126919553
Sulfate	9.86	10.0	mg/L	98.6	90.0 - 110	126919565
Sulfate	10.2	10.0	mg/L	102	90.0 - 110	126919567
Sulfate	9.77	10.0	mg/L	97.7	90.0 - 110	126919569

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# QUALITY CONTROL



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**AZM3-R**

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*Project*

**1122178**

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## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Sulfate	1144140	5.68	5.58	5.00	85.4 - 124	114	112	mg/L	1.78	20.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Sulfate	2344485	506	441	354	100	80.0 - 120	152 *	87.0	mg/L	54.4 *	20.0
Sulfate	2345540	1810	1810	1740	200	80.0 - 120	35.0 *	35.0 *	mg/L	0	20.0

Analytical Set

**1143604**

**SM 3500-Cr B-2011**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Hexavalent Chromium	1143604	ND	0.550	3.00	ug/L	126904544
Hexavalent Chromium	1143604	ND	0.550	3.00	ug/L	126904555
Hexavalent Chromium	1143604	ND	0.550	3.00	ug/L	126904558

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Hexavalent Chromium	87.7	80.0	ug/L	110	90.0 - 110	126904545
Hexavalent Chromium	87.4	80.0	ug/L	109	90.0 - 110	126904556
Hexavalent Chromium	86.9	80.0	ug/L	109	90.0 - 110	126904559

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	1143604	87.7	87.7	80.0	85.0 - 115	110	110	ug/L	0	15.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	2345736	26.1	27.9	ND	80.0	70.0 - 130	32.6 *	34.9 *	ug/L	6.67	20.0

Analytical Set

**1144230**

**EPA 200.7 4.4**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Boron	1144114	0.00143	0.00103	0.008	mg/L	126921055

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	0.989	1.00	mg/L	98.9	90.0 - 110	126921046
Boron	0.996	1.00	mg/L	99.6	90.0 - 110	126921054
Boron	1.00	1.00	mg/L	100	90.0 - 110	126921062

## ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	10.1	10.0	mg/L	101	95.0 - 105	126921044

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	0.984	1.00	mg/L	98.4	90.0 - 110	126921045

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# QUALITY CONTROL



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### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Boron	1144114	0.955	0.959	1.00	85.0 - 115	95.5	95.9	mg/L	0.418	25.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Boron	2346422	0.956	0.954	ND	1.00	75.0 - 125	95.6	95.4	mg/L	0.209	25.0

Analytical Set

1144297

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1143516	ND	0.00171	0.00171	mg/L	126923269
Antimony, Total	1143516	ND	0.00376	0.00376	mg/L	126923269
Barium, Total	1143516	ND	0.000635	0.001	mg/L	126923269
Beryllium, Total	1143516	ND	0.000139	0.001	mg/L	126923269
Cadmium, Total	1143516	ND	0.000067	0.001	mg/L	126923269
Chromium, Total	1143516	ND	0.000621	0.001	mg/L	126923269
Copper, Total	1143516	ND	0.00155	0.00155	mg/L	126923269
Lead, Total	1143516	ND	0.000244	0.001	mg/L	126923269
Lead, Total	1144297	ND	0.000244	0.001	mg/L	126923419
Nickel, Total	1143516	ND	0.00112	0.00112	mg/L	126923269
Silver, Total	1143516	ND	0.000226	0.001	mg/L	126923269
Thallium, Total	1143516	ND	0.000106	0.001	mg/L	126923269
Zinc, Total	1143516	ND	0.000875	0.001	mg/L	126923269

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126923253
Aluminum, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126923272
Aluminum, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126923283
Aluminum, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923292
Aluminum, Total	0.0512	0.05	mg/L	102	90.0 - 110	126923302
Aluminum, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923355
Aluminum, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126923365
Aluminum, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923375
Antimony, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923253
Antimony, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923272
Antimony, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923283
Antimony, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923292
Antimony, Total	0.0518	0.05	mg/L	104	90.0 - 110	126923302
Antimony, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923313
Antimony, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923323
Antimony, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126923333
Antimony, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923344
Antimony, Total	0.0502	0.05	mg/L	100	90.0 - 110	126923355
Antimony, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923365
Antimony, Total	0.0508	0.05	mg/L	102	90.0 - 110	126923375

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Barium, Total	0.0508	0.05	mg/L	102	90.0 - 110	126923253
Barium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923272
Barium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126923283
Barium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923292
Barium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126923302
Barium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923313
Barium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923355
Barium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126923365
Barium, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923375
Beryllium, Total	0.0517	0.05	mg/L	103	90.0 - 110	126923253
Beryllium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126923272
Beryllium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126923283
Beryllium, Total	0.0512	0.05	mg/L	102	90.0 - 110	126923292
Beryllium, Total	0.0535	0.05	mg/L	107	90.0 - 110	126923302
Beryllium, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923313
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923355
Beryllium, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923365
Beryllium, Total	0.0513	0.05	mg/L	103	90.0 - 110	126923375
Cadmium, Total	0.0508	0.05	mg/L	102	90.0 - 110	126923253
Cadmium, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923262
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126923272
Cadmium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126923283
Cadmium, Total	0.0503	0.05	mg/L	101	90.0 - 110	126923292
Cadmium, Total	0.0524	0.05	mg/L	105	90.0 - 110	126923302
Cadmium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923313
Cadmium, Total	0.0502	0.05	mg/L	100	90.0 - 110	126923323
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126923333
Cadmium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923355
Cadmium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126923365
Cadmium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923375
Chromium, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923253
Chromium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923272
Chromium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126923283
Chromium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126923292
Chromium, Total	0.0525	0.05	mg/L	105	90.0 - 110	126923302
Chromium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923323
Chromium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923333
Chromium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923344
Chromium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126923355
Chromium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923365
Chromium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923375
Copper, Total	0.0525	0.05	mg/L	105	90.0 - 110	126923253
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	126923272
Copper, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923283
Copper, Total	0.0507	0.05	mg/L	101	90.0 - 110	126923292

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.0528	0.05	mg/L	106	90.0 - 110	126923302
Copper, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923355
Copper, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923365
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	126923375
Copper, Total	0.0513	0.05	mg/L	103	90.0 - 110	126923386
Copper, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923396
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923253
Lead, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923272
Lead, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923283
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923292
Lead, Total	0.0528	0.05	mg/L	106	90.0 - 110	126923302
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923313
Lead, Total	0.0506	0.05	mg/L	101	90.0 - 110	126923323
Lead, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923333
Lead, Total	0.0513	0.05	mg/L	103	90.0 - 110	126923344
Lead, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923355
Lead, Total	0.051	0.05	mg/L	102	90.0 - 110	126923365
Lead, Total	0.0516	0.05	mg/L	103	90.0 - 110	126923375
Lead, Total	0.0515	0.05	mg/L	103	90.0 - 110	126923386
Lead, Total	0.0514	0.05	mg/L	103	90.0 - 110	126923396
Lead, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923418
Lead, Total	0.0508	0.05	mg/L	102	90.0 - 110	126923428
Lead, Total	0.0507	0.05	mg/L	101	90.0 - 110	126923439
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	126923448
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923449
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923253
Nickel, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923272
Nickel, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126923283
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923292
Nickel, Total	0.0512	0.05	mg/L	102	90.0 - 110	126923302
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923313
Nickel, Total	0.0508	0.05	mg/L	102	90.0 - 110	126923323
Nickel, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126923333
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923355
Nickel, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126923365
Nickel, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923375
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126923253
Silver, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923272
Silver, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923283
Silver, Total	0.0513	0.05	mg/L	103	90.0 - 110	126923292
Silver, Total	0.0532	0.05	mg/L	106	90.0 - 110	126923302
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126923313
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126923323
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126923355
Silver, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923365

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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126923375
Thallium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923253
Thallium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126923272
Thallium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126923283
Thallium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126923292
Thallium, Total	0.0517	0.05	mg/L	103	90.0 - 110	126923302
Thallium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126923313
Thallium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126923323
Thallium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126923333
Thallium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126923344
Thallium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126923355
Thallium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923365
Thallium, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923375
Zinc, Total	0.0512	0.05	mg/L	102	90.0 - 110	126923253
Zinc, Total	0.0505	0.05	mg/L	101	90.0 - 110	126923272
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	126923283
Zinc, Total	0.0513	0.05	mg/L	103	90.0 - 110	126923292
Zinc, Total	0.0529	0.05	mg/L	106	90.0 - 110	126923302
Zinc, Total	0.0509	0.05	mg/L	102	90.0 - 110	126923313
Zinc, Total	0.051	0.05	mg/L	102	90.0 - 110	126923323
Zinc, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923333
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	126923355
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923365
Zinc, Total	0.0512	0.05	mg/L	102	90.0 - 110	126923375

### Dir. SPKD

Parameter	Sample	DSPK	DSPKD	UNK	Known	Limits%	DSPK%	DSPKD%	Units	RPD	Limit%
Lead, Total	2344062	0.564	0.655	0.00187	0.500	70.0 - 130 *	112	131 *	mg/L	14.9	30.0
Lead, Total	2344151	0.546	0.557	0.000645	0.500	70.0 - 130	109	111	mg/L	1.99	30.0

### Direct SPK

Parameter	Sample	DSPK	UNK	Known	Limits%	DSPK%	Units
Lead, Total	2344062	0.564	0.00187	0.500	70.0 - 130	112	mg/L
Lead, Total	2344151	0.546	0.000645	0.500	70.0 - 130	109	mg/L

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126923246
Antimony, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923246
Barium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126923246
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923246
Cadmium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126923246
Chromium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126923246
Copper, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923246
Lead, Total	0.0503	0.05	mg/L	101	90.0 - 110	126923246
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	126923246

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# QUALITY CONTROL



## AZM3-R

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### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.052	0.05	mg/L	104	90.0 - 110	126923246
Thallium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126923246
Zinc, Total	0.0503	0.05	mg/L	101	90.0 - 110	126923246

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1143516	0.540	0.500	0.500	85.0 - 115	108	100	mg/L	7.69	20.0
Antimony, Total	1143516	0.515	0.490	0.500	85.0 - 115	103	98.0	mg/L	4.98	20.0
Barium, Total	1143516	0.504	0.483	0.500	85.0 - 115	101	96.6	mg/L	4.26	20.0
Beryllium, Total	1143516	0.204	0.196	0.200	85.0 - 115	102	98.0	mg/L	4.00	20.0
Cadmium, Total	1143516	0.253	0.240	0.250	85.0 - 115	101	96.0	mg/L	5.27	20.0
Chromium, Total	1143516	0.529	0.512	0.500	85.0 - 115	106	102	mg/L	3.27	20.0
Copper, Total	1143516	0.549	0.521	0.500	85.0 - 115	110	104	mg/L	5.23	20.0
Lead, Total	1143516	0.537	0.506	0.500	85.0 - 115	107	101	mg/L	5.94	20.0
Lead, Total	1144297	0.553	0.550	0.500	85.0 - 115	111	110	mg/L	0.544	20.0
Nickel, Total	1143516	0.507	0.485	0.500	85.0 - 115	101	97.0	mg/L	4.44	20.0
Silver, Total	1143516	0.0969	0.0929	0.100	85.0 - 115	96.9	92.9	mg/L	4.21	20.0
Thallium, Total	1143516	0.524	0.500	0.500	85.0 - 115	105	100	mg/L	4.69	20.0
Zinc, Total	1143516	0.505	0.487	0.500	85.0 - 115	101	97.4	mg/L	3.63	20.0

### MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	ND	0.001	mg/L	0	25.0 - 175	126923247
Lead, Total	0.00105	0.001	mg/L	105	25.0 - 175	126923247

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2345550	0.607	0.566	0.0364	0.500	70.0 - 130	114	106	mg/L	7.45	20.0
Antimony, Total	2345550	0.535	0.502	ND	0.500	70.0 - 130	107	100	mg/L	6.36	20.0
Barium, Total	2345550	0.670	0.631	0.128	0.500	70.0 - 130	108	101	mg/L	7.46	20.0
Beryllium, Total	2345550	0.221	0.208	ND	0.200	70.0 - 130	110	104	mg/L	6.06	20.0
Cadmium, Total	2345550	0.269	0.249	ND	0.250	70.0 - 130	108	99.6	mg/L	7.72	20.0
Chromium, Total	2345550	0.578	0.534	ND	0.500	70.0 - 130	116	107	mg/L	7.91	20.0
Copper, Total	2345550	0.579	0.529	0.00449	0.500	70.0 - 130	115	105	mg/L	9.10	20.0
Lead, Total	2345550	0.560	0.521	0.000443	0.500	70.0 - 130	112	104	mg/L	7.22	20.0
Nickel, Total	2345550	0.532	0.494	0.00124	0.500	70.0 - 130	106	98.6	mg/L	7.43	20.0
Silver, Total	2345550	0.103	0.0949	ND	0.100	70.0 - 130	103	94.9	mg/L	8.19	20.0
Thallium, Total	2345550	0.538	0.521	ND	0.500	70.0 - 130	108	104	mg/L	3.21	20.0
Zinc, Total	2345550	0.569	0.531	0.0297	0.500	70.0 - 130	108	100	mg/L	7.30	20.0
Aluminum, Total	2345863	0.544	0.538	ND	0.500	70.0 - 130	109	108	mg/L	1.11	20.0
Antimony, Total	2345863	0.527	0.522	ND	0.500	70.0 - 130	105	104	mg/L	0.953	20.0
Barium, Total	2345863	0.543	0.541	0.0418	0.500	70.0 - 130	100	99.8	mg/L	0.400	20.0
Beryllium, Total	2345863	0.211	0.205	ND	0.200	70.0 - 130	106	102	mg/L	2.88	20.0
Cadmium, Total	2345863	0.253	0.249	ND	0.250	70.0 - 130	101	99.6	mg/L	1.59	20.0
Chromium, Total	2345863	0.542	0.523	ND	0.500	70.0 - 130	108	105	mg/L	3.57	20.0
Copper, Total	2345863	0.573	0.540	0.00157	0.500	70.0 - 130	114	108	mg/L	5.95	20.0

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# QUALITY CONTROL



## AZM3-R

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### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Lead, Total	2345863	0.547	0.526	0.000561	0.500	70.0 - 130	109	105	mg/L	3.92	20.0
Nickel, Total	2345863	0.504	0.495	ND	0.500	70.0 - 130	101	99.0	mg/L	1.80	20.0
Silver, Total	2345863	0.0962	0.0939	ND	0.100	70.0 - 130	96.2	93.9	mg/L	2.42	20.0
Thallium, Total	2345863	0.522	0.522	ND	0.500	70.0 - 130	104	104	mg/L	0	20.0
Zinc, Total	2345863	0.539	0.528	0.0253	0.500	70.0 - 130	103	101	mg/L	2.16	20.0

Analytical Set

1144444

EPA 245.7 2

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1144323	ND	1.20	5.00	ng/L	126926670

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1144323	2.07	1.20	5.00	ng/L	126926669
Mercury, Total (low level)	1144323	1.87	1.20	5.00	ng/L	126926681
Mercury, Total (low level)	1144323	2.00	1.20	5.00	ng/L	126926693
Mercury, Total (low level)	1144444	1.73	1.20	5.00	ng/L	126926732

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	24.6	25	ng/L	98.4	87.0 - 113	126926668
Mercury, Total (low level)	24.1	25	ng/L	96.4	87.0 - 113	126926680
Mercury, Total (low level)	23.4	25	ng/L	93.6	87.0 - 113	126926692
Mercury, Total (low level)	23.7	25	ng/L	94.8	87.0 - 113	126926701
Mercury, Total (low level)	23.4	25	ng/L	93.6	87.0 - 113	126926713
Mercury, Total (low level)	23.5	25	ng/L	94.0	87.0 - 113	126926725
Mercury, Total (low level)	23.2	25	ng/L	92.8	87.0 - 113	126926731

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50	ng/L	0	90.0 - 110	126926666

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	24.4	25	ng/L	97.6	90.0 - 110	126926667

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1144323	21.6	21.6	25.0	76.0 - 115	86.4	86.4	ng/L	0	50.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2345344	28.2	31.3	12.3	26.6	63.0 - 111	59.8 *	71.4	ng/L	17.8	18.0
Mercury, Total (low level)	2345921	21.9	22.5	ND	26.6	63.0 - 111	82.3	84.6	ng/L	2.70	18.0

Analytical Set

1144479

EPA 200.7 4.4

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	24.9	25.0	mg/L	99.6	90.0 - 110	126927487
Dissolved Calcium	24.9	25.0	mg/L	99.6	90.0 - 110	126927488
Dissolved Calcium	24.6	25.0	mg/L	98.4	90.0 - 110	126927498
Dissolved Calcium	24.5	25.0	mg/L	98.0	90.0 - 110	126927507
Dissolved Calcium	24.5	25.0	mg/L	98.0	90.0 - 110	126927511
Dissolved Calcium	24.5	25.0	mg/L	98.0	90.0 - 110	126927521
Dissolved Calcium	24.5	25.0	mg/L	98.0	90.0 - 110	126927531
Dissolved Calcium	24.4	25.0	mg/L	97.6	90.0 - 110	126927537
Dissolved Magnesium	25.0	25.0	mg/L	100	90.0 - 110	126927487
Dissolved Magnesium	25.0	25.0	mg/L	100	90.0 - 110	126927488
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	126927498
Dissolved Magnesium	24.5	25.0	mg/L	98.0	90.0 - 110	126927507
Dissolved Magnesium	24.6	25.0	mg/L	98.4	90.0 - 110	126927511
Dissolved Magnesium	24.5	25.0	mg/L	98.0	90.0 - 110	126927521
Dissolved Magnesium	24.5	25.0	mg/L	98.0	90.0 - 110	126927531
Dissolved Magnesium	24.3	25.0	mg/L	97.2	90.0 - 110	126927537
Dissolved Sodium	24.9	25.0	mg/L	99.6	90.0 - 110	126927487
Dissolved Sodium	25.1	25.0	mg/L	100	90.0 - 110	126927488
Dissolved Sodium	24.6	25.0	mg/L	98.4	90.0 - 110	126927498
Dissolved Sodium	24.6	25.0	mg/L	98.4	90.0 - 110	126927507
Dissolved Sodium	24.6	25.0	mg/L	98.4	90.0 - 110	126927511
Dissolved Sodium	24.4	25.0	mg/L	97.6	90.0 - 110	126927521
Dissolved Sodium	24.5	25.0	mg/L	98.0	90.0 - 110	126927531
Dissolved Sodium	24.2	25.0	mg/L	96.8	90.0 - 110	126927537

### Dir. SPKD

Parameter	Sample	DSPK	DSPKD	UNK	Known	Limits%	DSPK%	DSPKD%	Units	RPD	Limit%
Dissolved Calcium	2345067	47.4	47.4	42.7	5.00	75.0 - 125	94.0	94.0	mg/L	0	20.0
Dissolved Magnesium	2345067	12.8	12.8	7.97	5.00	75.0 - 125	96.6	96.6	mg/L	0	20.0
Dissolved Sodium	2345067	35.0	34.9	30.1	5.00	75.0 - 125	98.0	96.0	mg/L	0.286	20.0
Dissolved Calcium	2346435	42.0	42.3	37.1	5.00	75.0 - 125	98.0	104	mg/L	0.712	20.0
Dissolved Magnesium	2346435	30.1	30.4	25.1	5.00	75.0 - 125	100	106	mg/L	0.992	20.0
Dissolved Sodium	2346435	76.7	77.1	71.4	5.00	75.0 - 125	106	114	mg/L	0.520	20.0
Dissolved Calcium	2346454	132	134	129	5.00	75.0 - 125 *	60.0 *	100	mg/L	1.50	20.0
Dissolved Magnesium	2346454	72.9	74.3	69.5	5.00	75.0 - 125 *	68.0 *	96.0	mg/L	1.90	20.0
Dissolved Sodium	2346454	135	136	131	5.00	75.0 - 125	80.0	100	mg/L	0.738	20.0
Dissolved Calcium	2347271	16.5	16.5	11.0	5.00	75.0 - 125	110	110	mg/L	0	20.0
Dissolved Magnesium	2347271	7.52	7.58	2.13	5.00	75.0 - 125	108	109	mg/L	0.795	20.0
Dissolved Sodium	2347271	10.2	10.2	4.48	5.00	75.0 - 125	114	114	mg/L	0	20.0

### Direct SPK

Parameter	Sample	DSPK	UNK	Known	Limits%	DSPK%	Units
Dissolved Calcium	2345067	47.4	42.7	5.00	75.0 - 125	94.0	mg/L
Dissolved Magnesium	2345067	12.8	7.97	5.00	75.0 - 125	96.6	mg/L
Dissolved Sodium	2345067	35.0	30.1	5.00	75.0 - 125	98.0	mg/L

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# QUALITY CONTROL



## AZM3-R

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### Direct SPK

Parameter	Sample	DSPK	UNK	Known	Limits%	DSPK%	Units	
Dissolved Calcium	2346435	42.0	37.1	5.00	75.0 - 125	98.0	mg/L	20.0
Dissolved Magnesium	2346435	30.1	25.1	5.00	75.0 - 125	100	mg/L	20.0
Dissolved Sodium	2346435	76.7	71.4	5.00	75.0 - 125	106	mg/L	20.0
Dissolved Calcium	2346454	132	129	5.00	75.0 - 125	60.0 *	mg/L	20.0
Dissolved Magnesium	2346454	72.9	69.5	5.00	75.0 - 125	68.0 *	mg/L	20.0
Dissolved Sodium	2346454	135	131	5.00	75.0 - 125	80.0	mg/L	20.0
Dissolved Calcium	2347271	16.5	11.0	5.00	75.0 - 125	110	mg/L	20.0
Dissolved Magnesium	2347271	7.52	2.13	5.00	75.0 - 125	108	mg/L	20.0
Dissolved Sodium	2347271	10.2	4.48	5.00	75.0 - 125	114	mg/L	20.0

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	50.6	50.0	mg/L	101	95.0 - 105	126927481
Dissolved Magnesium	50.1	50.0	mg/L	100	95.0 - 105	126927481
Dissolved Sodium	52.1	50.0	mg/L	104	95.0 - 105	126927481

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	25.7	25.0	mg/L	103	90.0 - 110	126927485
Dissolved Magnesium	25.4	25.0	mg/L	102	90.0 - 110	126927485
Dissolved Sodium	25.5	25.0	mg/L	102	90.0 - 110	126927485

### LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	96.3	100	mg/L	96.3	90.0 - 110	126927482
Dissolved Magnesium	102	100	mg/L	102	90.0 - 110	126927482
Dissolved Sodium	107	100	mg/L	107	90.0 - 110	126927482

Analytical Set 1144530

SM 5310 C-2014

### AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Organic Carbon	1.92	2.00	mg/L	96.0	50.0 - 150	126929460

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Organic Carbon	1144530	0.167	0.0618	0.500	mg/L	126929459
Total Organic Carbon	1144530	0.0669	0.0618	0.500	mg/L	126929485
Total Organic Carbon	1144530	ND	0.0618	0.500	mg/L	126929506

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Organic Carbon	10.0	10.0	mg/L	100	90.0 - 110	126929456
Total Organic Carbon	11.0	10.0	mg/L	110	90.0 - 110	126929472
Total Organic Carbon	10.1	10.0	mg/L	101	90.0 - 110	126929484
Total Organic Carbon	10.4	10.0	mg/L	104	90.0 - 110	126929498
Total Organic Carbon	9.72	10.0	mg/L	97.2	90.0 - 110	126929505

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# QUALITY CONTROL



## AZM3-R

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### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	19.2	20.0	mg/L	96.0	90.0 - 110	126929455

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	10.0	10.0	mg/L	100	90.0 - 110	126929457

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Organic Carbon	1144530	5.16	5.00	mg/L	103	85.0 - 115	126929458
Total Organic Carbon	1144530	5.27	5.00	mg/L	105	85.0 - 115	126929486
Total Organic Carbon	1144530	5.23	5.00	mg/L	105	85.0 - 115	126929507

### MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Total Organic Carbon	2344384	14.8	15.4	4.31	10.0	85.0 - 115	105	111	mg/L	5.56	20.0
Total Organic Carbon	2345519	14.2	14.4	4.67	10.0	85.0 - 115	95.3	97.3	mg/L	2.08	20.0
Total Organic Carbon	2345948	15.6	15.1	5.19	10.0	85.0 - 115	104	99.1	mg/L	4.92	20.0
Total Organic Carbon	2346098	15.8	15.3	5.20	10.0	85.0 - 115	106	101	mg/L	4.83	20.0

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon		47.3	50.0	mg/L	94.6	90.0 - 110	126929454

Analytical Set

1144894

EPA 6010C

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Calcium (SAR Extracted)	1144894	ND	0.0156	0.500	mg/L	126943049
Magnesium (SAR Extracted)	1144894	ND	0.00367	0.500	mg/L	126943049
Sodium (SAR Extracted)	1144894	ND	0.0139	0.500	mg/L	126943049

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium (SAR Extracted)	24.6	25.0	mg/L	98.4	90.0 - 110	126943028
Calcium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126943042
Calcium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126943051
Calcium (SAR Extracted)	24.6	25.0	mg/L	98.4	90.0 - 110	126943060
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126943028
Magnesium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126943042
Magnesium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126943051
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126943060
Sodium (SAR Extracted)	23.7	25.0	mg/L	94.8	90.0 - 110	126943028
Sodium (SAR Extracted)	23.9	25.0	mg/L	95.6	90.0 - 110	126943042
Sodium (SAR Extracted)	23.9	25.0	mg/L	95.6	90.0 - 110	126943051
Sodium (SAR Extracted)	23.9	25.0	mg/L	95.6	90.0 - 110	126943060

### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
1122178

Printed 10/30/2024

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	51.4	50.0	mg/L	103	95.0 - 105	126943022
Magnesium (SAR Extracted)	50.5	50.0	mg/L	101	95.0 - 105	126943022
Sodium (SAR Extracted)	50.8	50.0	mg/L	102	95.0 - 105	126943022

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	26.1	25.0	mg/L	104	90.0 - 110	126943026
Magnesium (SAR Extracted)	25.6	25.0	mg/L	102	90.0 - 110	126943026
Sodium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126943026

Analytical Set

1145311

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Arsenic, Total	1143516	ND	0.00025	0.0005	mg/L	126953629
Selenium, Total	1143516	ND	0.000728	0.002	mg/L	126953629

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0515	0.05	mg/L	103	90.0 - 110	126953559
Arsenic, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126953564
Arsenic, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126953573
Arsenic, Total	0.0502	0.05	mg/L	100	90.0 - 110	126953582
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	126953590
Arsenic, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126953618
Arsenic, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	126953628
Arsenic, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126953638
Arsenic, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126953648
Arsenic, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	126953658
Selenium, Total	0.0529	0.05	mg/L	106	90.0 - 110	126953559
Selenium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126953564
Selenium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126953573
Selenium, Total	0.0522	0.05	mg/L	104	90.0 - 110	126953582
Selenium, Total	0.052	0.05	mg/L	104	90.0 - 110	126953590
Selenium, Total	0.0518	0.05	mg/L	104	90.0 - 110	126953618
Selenium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126953628
Selenium, Total	0.051	0.05	mg/L	102	90.0 - 110	126953638
Selenium, Total	0.0507	0.05	mg/L	101	90.0 - 110	126953648
Selenium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126953658

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0507	0.05	mg/L	101	90.0 - 110	126953552
Selenium, Total	0.0528	0.05	mg/L	106	90.0 - 110	126953552

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
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*Project*  
**1122178**

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## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Arsenic, Total	1143516	0.477	0.478	0.500	85.0 - 115	95.4	95.6	mg/L	0.209	20.0
Selenium, Total	1143516	0.501	0.504	0.500	85.0 - 115	100	101	mg/L	0.597	20.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Arsenic, Total	2345550	0.477	0.478	0.000582	0.500	70.0 - 130	95.3	95.5	mg/L	0.210	20.0
Selenium, Total	2345550	0.490	0.501	ND	0.500	70.0 - 130	98.0	100	mg/L	2.22	20.0

Analytical Set

**1143684**

**SM 5220 D-2011**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chemical Oxygen Demand	1143684	ND	20.0	20.0	mg/L	126908140

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chemical Oxygen Demand	386	400	mg/L	96.5	90.0 - 110	126908141

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Chemical Oxygen Demand	2344584	35.7	37.6	mg/L	5.18	20.0
Chemical Oxygen Demand	2345707	151	151	mg/L	0	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Chemical Oxygen Demand	1143684	202	200	mg/L	101	90.0 - 110	126908142

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Chemical Oxygen Demand	2344584	231	37.6	200	mg/L	96.7	80.0 - 120	126908145
Chemical Oxygen Demand	2345707	329	151	200	mg/L	89.0	80.0 - 120	126908157

Analytical Set

**1143715**

**SM 4500-P E-2011**

## AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus (as P), total	0.0571	0.060	mg/L	95.2	70.0 - 130	126908845

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Phosphorus (as P), total	1143715	ND	0.00311	0.030	mg/L	126908844

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus (as P), total	0.304	0.300	mg/L	101	90.0 - 110	126908846
Phosphorus (as P), total	0.298	0.300	mg/L	99.3	90.0 - 110	126908861
Phosphorus (as P), total	0.302	0.300	mg/L	101	90.0 - 110	126908873

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# QUALITY CONTROL



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**AZM3-R**

Azteca Milling, LP  
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*Project*  
**1122178**

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## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus (as P), total	1143715	0.305	0.310	0.300	80.0 - 120	102	103	mg/L	1.63	20.0

Analytical Set

1144286

SM 2510 B-2011

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Lab Spec. Conductance at 25 C	1144286	0.957			umhos/cm	126922327

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Lab Spec. Conductance at 25 C	2345981	2590	2580	umhos/cm	0.387	20.0
Lab Spec. Conductance at 25 C	2346898	2220	2220	umhos/cm	0	20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lab Spec. Conductance at 25 C	12900	12900	umhos/cm	100	90.0 - 110	126922330

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lab Spec. Conductance at 25 C	1144286	1420	1410	umhos/cm	101	90.0 - 110	126922328
Lab Spec. Conductance at 25 C	1144286	102	100	umhos/cm	102	90.0 - 110	126922329
Lab Spec. Conductance at 25 C	1144286	1410	1410	umhos/cm	100	90.0 - 110	126922342
Lab Spec. Conductance at 25 C	1144286	1420	1410	umhos/cm	101	90.0 - 110	126922354

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); ICV - Initial Calibration Verification; MRL Check - Minimum Reporting Limit Check Std; LDR - Linear Dynamic Range Standard; MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

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1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ In Routine TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**102**

Printed 09/24/2024 Page 1 of 5  
Lab Number 2345891  
Mandatory 4501126749  
PO Number 4501288570  
Phone 956/383-4911

## Permit Renew

Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

\* Note for Lab

Sample Collection Start

Date: 10-16-2024 Time: 9:10

Sampler Printed Name: Juan Martinez

Sampler Affiliation: SM

Sampler Signature: [Signature]

\* Please filter more sample for  
Dissolved Metals if needed.  
I used 3 filters. / High Solids  
JM2

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

0

## On Site Testing

CICk Field Cl2 Check for CNa

Field Cl2 Check for CNa

Collected By JM2 Date 10-16-24 Time 9:10 Analyzed By JM2 Date 10-16-24 Time 9:20

Results Neg Units — Temp. — C Duplicate — Units — Temp. — C

R1 — R2 — QC R1 — QC R2 —

NELAC

Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By JM2 Date 10-16-24 Time 9:10 Analyzed By JM2 Date 10-16-24 Time 9:25

Results 11:31 Units 5.0 Temp. 51.5° C Duplicate 11:32 Units 5.0 Temp. 51.4° C

S2Ck Field Sulfide Check for CNa



1122178 CoC Print Group 001 of 002

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**SPL**  
The Science of Sure

# CHAIN OF CUSTODY

Printed 09/24/2024 Page 2 of 5

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

**AZM3-R**  
**102**

Mandatory 4501126749

Phone

956/383-4911

Field Sulfide Check for CNa

Collected By Jm2 Date 10-16-24 Time 9:10 Analyzed By Jm2 Date 10-16-24 Time 9:17

Results Usg Units — Temp. — C Duplicate — Units — Temp. — C  
R1 — R2 — QC R1 — QC R2 —

NELAC **Short Hold** Temp Temperature (onsite) SM 2550 B - 2010 (0.0104 days)

Temperature (onsite)

Collected By Jm2 Date 10-16-24 Time 9:10 Analyzed By Jm2 Date 10-16-24 Time 9:18

Results 51.5 Units °C Duplicate 51.4 Units °C

## 2 H2SO4 to pH <2 GIQt w/Tef-lined lid

NELAC **HEM** Oil and Grease (HEM) EPA 1664B (HEM) (28.0 days)

## 1 Polyethylene 1/2 gal (White)

NELAC **Short Hold** **BOD** Biochemical Oxygen Demand (BOD5) SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC **Short Hold** **BODc** BOD Carbonaceous SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)

**SARL** Sodium Adsorption Ratio - Liquid 600/2-78-054 3.2.19 (5.00 days)

NELAC **TSS** Total Suspended Solids SM 2540 D-2015 (7.00 days)

## 0 Z -- No bottle required

NELAC **Short Hold** **Cr+3** Trivalent Chromium Calculation CAS:16065-83-1 (1.00 days)

**GTMS** Transfer to ICP/MS

**HgKt** LL Mercury Test Prep

**P150** Pickup/Sampling/Transport



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1122178 CoC Print Group 001 of 002

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# CHAIN OF CUSTODY

Printed 09/24/2024 Page 3 of 5

Azteca Milling, LP  
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**AZM3-R**  
**102**

Mandatory 4501126749

Phone 956/383-4911

## 1 HNO<sub>3</sub> to pH <2 Polyethylene 500 mL for Metals

NELAC	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
NELAC	*AlM	Aluminum, Total	EPA 200.8 5.4 CAS:7429-90-5 (180 days)
NELAC	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
NELAC	*BaM	Barium, Total	EPA 200.8 5.4 CAS:7440-39-3 (180 days)
NELAC	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
NELAC	*Bi	Boron	EPA 200.7 4.4 CAS:7440-42-8 (180 days)
NELAC	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
NELAC	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
NELAC	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
NELAC	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
NELAC	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
NELAC	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
NELAC	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
NELAC	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

## 1 HNO<sub>3</sub> to pH <2 Polyethylene 250 mL/AFTER filtration

NELAC	*CaD	Dissolved Calcium	EPA 200.7, Rev. 4.4 CAS:7440-70-2 (5.00 days)
NELAC	*MgD	Dissolved Magnesium	EPA 200.7, Rev. 4.4 CAS:7439-95-4 (5.00 days)
NELAC	*NaD	Dissolved Sodium	EPA 200.7, Rev. 4.4 CAS:7440-23-5 (5.00 days)

## 2 H<sub>2</sub>SO<sub>4</sub> to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NH <sub>4</sub> N	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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## CHAIN OF CUSTODY

Printed 09/24/2024 Page 4 of 5

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Juan Martinez  
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**AZM3-R**  
**102**

Mandatory 4501126749

Phone 956/383-4911

	<b>OrgN</b>	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	<b>TKN</b>	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
NELAC	<b>TPWB</b>	Phosphorus (as P), total	SM 4500-P E-2011 CAS:7723-14-0 (28.0 days)

### 1 Glass Qt

**\*SAR** Sodium Adsorption Ratio Extract (180 days)

### 1 Glass /clean metals w/HCl

NELAC	<b>*HgI</b>	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	<b>245I</b>	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

### 1 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	<b>CNa</b>	Cyanide, total	SM 4500-CN <sup>-</sup> E-2016 (14.0 days)
-------	------------	----------------	--

### 1 Potassium dihydrogen citrate&Na2S2O3 (0.008%)Amber Glass 40 mL vial w/Teflon line

NELAC	<b>TOCL</b>	Total Organic Carbon	EPA 531.2 (28.0 days)
-------	-------------	----------------------	-----------------------

### 1 Polyethylene Quart

NELAC	<b>ICIL</b>	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	<b>IFIL</b>	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC	<b>Short Hold IN3L</b>	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	<b>IS4L</b>	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	<b>CONL</b>	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)
NELAC	<b>Short Hold Cr+6</b>	Hexavalent Chromium	SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)
	<b>Short Hold DMF</b>	Dissolved Metals Filtering	SM 3030 B-2004 (0.0104 days)
NELAC	<b>TDS</b>	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

Ambient Conditions/Comments



Report Page 40 of 48

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



# CHAIN OF CUSTODY

Printed 09/24/2024 Page 5 of 5

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

AZM3-R  
102

Mandatory 4501126749

Phone 956/383-4911

Date Time	Relinquished	Date Time	Received
10-16-24 17:30	Printed Name <i>Juan Martinez</i> Signature <i>[Signature]</i> Affiliation <i>SPL</i>	10-16-24 17:30	Printed Name <i>FedEx</i> Signature <i>[Signature]</i> Affiliation <i>FedEx</i>
10/17/24 1030	Printed Name <i>FedEx</i> Signature <i>[Signature]</i> Affiliation <i>FedEx</i>	10/17/24 1030	Printed Name <i>Rayshawn Thompson SPL, Inc.</i> Signature <i>[Signature]</i> Affiliation <i>Rayshawn Thompson SPL, Inc.</i>
	Printed Name Signature Affiliation		Printed Name Signature Affiliation
	Printed Name Signature Affiliation		Printed Name Signature Affiliation

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Printed 09/24/2024 Page 1 of 2  
Lab Number 2345918  
Mandatory 4501126749  
PO Number 1501288570  
Phone 956/383-4911

**Permit Renew - FC**

Hand Delivered by Client to Region or LAB

Fecal Coliform subcontracted to CC Water Utilites Laboratory  
Matrix: Non-Potable Water

Sample Collection Start

Date: 10-16-2024 Time: 9:10

Sampler Printed Name: Juan Martinez

Sampler Affiliation: SPL

Sampler Signature: [Signature]

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

**0**

### On Site Testing

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By JM2 Date 10-16-24 Time 9:10 Analyzed By JM2 Date 10-16-24 Time 9:20

Results ND Units mg/L Temp. 51.5 C Duplicate ND Units mg/L Temp. 51.4 C

R1 0.0 R2 0.0 QC R1 0.0 QC R2 0.0

**1**

### Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized

Subcontract

FCR

Fecal Coliform - RGV region

Subcontract CAS:CCWU

Ambient Conditions/Comments



1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Sure

## CHAIN OF CUSTODY

Printed 09/24/2024 Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Mandatory 4501126749

Phone 956/383-4911

Date Time	Relinquished	Date Time	Received
	Printed Name _____ Affiliation _____		Printed Name _____ Affiliation _____
10.26.24 10/17/24	Signature <i>[Signature]</i> SPL	10.26.24 10/17/24	Signature FedEx
10/17/24 1030	Printed Name _____ Affiliation _____	10/17/24 1030	Printed Name <i>[Signature]</i> FedEx Affiliation _____
	Signature _____		Signature <i>[Signature]</i>
	Printed Name _____ Affiliation _____		Printed Name _____ Affiliation _____
	Signature _____		Signature _____
	Printed Name _____ Affiliation _____		Printed Name _____ Affiliation _____
	Signature _____		Signature _____

Sample Received on Ice? ☒ Yes ☐ No

Cooler/Sample Secure? ☒ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

\* Sample sent to Corpus Christi Water Utilities Lab





1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

FILE # 0.00 TT  
SPL  
ALL COC'S ON SINGLE  
PROJECT? YES NO



**SPL**  
The Science of Sure

## CHAIN OF CUSTODY

Printed 09/24/2024 Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**112**

Lab Number 2345 720  
Mandatory 4501126749  
PO Number 4501288570  
Phone 956/383-4911

**Hg Field Blank**

Hand Delivered by Client to Region or LAB

✓

**Matrix: Non-Potable Water**

Sample Collection Start

Date: 10-16-24 Time: 9:00Sampler Printed Name: Juan MartinezSampler Affiliation: SPLSampler Signature: [Signature]☐ Samples Radioactive?☐ Samples Contains Dioxin?☐ Samples Biological Hazard?

1

Glass /clean metals w/HCl

NELAC

\*HgI

Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

245I

Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

1

Glass/clean metals/Field Blank

LHgF

LL Mercury Field Blank Prep

CAS:7439-97-6 (28.0 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
10-16-24 10:30	Printed Name: <u>Juan Martinez</u> Signature: <u>[Signature]</u> Affiliation: <u>SPL</u>	10-16-24 17:30	Printed Name: <u>FedEx</u> Signature: <u>[Signature]</u> Affiliation: <u>FedEx</u>
10/17/24 1030	Printed Name: <u>FedEx</u> Signature: <u>[Signature]</u> Affiliation: <u>FedEx</u>	10/17/24 1030	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>
	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>		Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>
	Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>		Printed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Affiliation: <u>[Signature]</u>



1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Sure

## CHAIN OF CUSTODY

Printed 09/24/2024 Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**112**

Mandatory 4501126749

Phone 956/383-4911

Sample Received on Ice? ☐ Yes ☐ NoCooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



Report Page 45 of 48

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1122178 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

## CHAIN OF CUSTODY

Printed 09/24/2024 Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Lab Number 2345921  
Mandatory 4501126749  
PO Number 4501288570  
Phone 956/383-4911

**Hg Trip Blank**

Hand Delivered by Client to Region or LAB

✓

**Matrix: Non-Potable Water**

Sample Collection Start

Date: 10-16-24 Time: 9:05

Sampler Printed Name: Juan Martinez

Sampler Affiliation: SPL

Sampler Signature: [Signature]

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

**1**

**Glass /clean metals w/HCl**

NELAC

\*HgI

Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

245I

Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

**1**

**Glass /clean metals/Trip Blank**

LHGt

LL Mercury Trip Blank Prep

CAS:7439-97-6 (28.0 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
10-16-24 17:30	Printed Name <u>Juan Martinez</u> Signature <u>[Signature]</u> Affiliation <u>SPL</u>	10-16-24 17:30	Printed Name <u>FedEx</u> Signature <u>[Signature]</u> Affiliation <u>FedEx</u>
10/17/24 1030	Printed Name <u>FedEx</u> Signature <u>[Signature]</u> Affiliation <u>FedEx</u>	10/17/24 1030	Printed Name <u>[Signature]</u> Signature <u>[Signature]</u> Affiliation <u>[Signature]</u>
	Printed Name <u>[Signature]</u> Signature <u>[Signature]</u> Affiliation <u>[Signature]</u>		Printed Name <u>[Signature]</u> Signature <u>[Signature]</u> Affiliation <u>[Signature]</u>
	Printed Name <u>[Signature]</u> Signature <u>[Signature]</u> Affiliation <u>[Signature]</u>		Printed Name <u>[Signature]</u> Signature <u>[Signature]</u> Affiliation <u>[Signature]</u>



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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1122178 CoC Print Group 002 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Sure

## CHAIN OF CUSTODY

Printed 09/24/2024 Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Mandatory 4501126749

Phone

956/383-4911

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number & Temp - See Attached

*The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.*

Comments



Report Page 47 of 48

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

1122178 CoC Print Group 002 of 002

**NEW Package IS Airbill**

4

DELEO  
SPL  
Hurd  
SPL  
D. DODGE  
reference

ORIGIN ID: HOLA (555) 555-5555  
ANA LAB / REV  
2401 VILLAGE DR STE C  
BROWNSVILLE, TX 77821  
UNITED STATES US

SHIP DATE: 10 OCT 24  
ACT LGT: 66 30 B  
CNO: 6894257/85FE2541  
DIMS: 24x14x13 IN  
BILL: THIRD PARTY

TO **LOGIN**  
**SPL**  
2600 DUDLEY RD  
KILGORE TX 75662  
(505) 886-8888  
PST

SHIP DATE: 10 OCT 24  
ACT LGT: 66 30 B  
CNO: 6894257/85FE2541  
DIMS: 24x14x13 IN  
BILL: THIRD PARTY

**FedEx Express**

THU - 17 OCT 10:30A  
PRIORITY OVERNIGHT

TX - US SHV

75662

XS 8866 3186 8809

10/17/2024  
Time 10:30  
Temp: 33.34 C  
Therm#: 6443 Corr Fact: 0.1 C

6443

6886 3186 8809

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For packages over 50 lbs, see the new  
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Second business day delivery  
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Second business day delivery

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Third business day delivery  
Third business day delivery

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Signature required at delivery  
Signature required at delivery

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Card No. ☐ Card No. ☐ Card No.

FedEx Service Guide for details



City of Corpus Christi  
Water Utilities Laboratory  
13101 Leopard Street  
361-826-1200 Fax: 361-242-9131

## Analytical Report



<b>Client Info</b> SPL-INC 2600 Dudley Rd. Kilgore, TX 75662				<b>Report# /Lab ID#:</b> AC42540 <b>Sample Name:</b> PERMIT RENEW <b>Date Received:</b> 10/16/2024 <b>Date Sampled:</b> 10/16/2024 <b>Report Date:</b> 10/17/24 <b>Time:</b> 14:06 <b>Time:</b> 09:10				
<b>Phone:</b>				<b>EMAIL:</b> Kilgore.Projectmanagement@spla				
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL's</b>	<b>Date/Time Analyzed</b>	<b>Method</b>	<b>Analyst</b>	<b>Analysis Comments</b>
Fecal Coliform MPN	<1.0	MPN			10/16/24 15:26	Colliert 18	MONICAS	
<b>Sample Comments:</b>								

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

*Cristal Ybanez*

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:

N=Analysis not performed as per client request. H=Sample exceeded holding time. P=Analysis is from an unpreserved sample. J=Value reported is less than the RL but greater than the MDL .  
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. LA=Lab accident. LE=Lab error. OA=Outside the scope of the lab's NELAC accreditation.  
U=Unsuitable; sample turned turbid after incubation. T=Sample below temp requirement; not on ice. EQ=Equipment failure. I=Information on sample bottle and COC does not match.  
S=Slow to filter; sample contains floc and/or large amount of residue on filter. O=Analysis performed by an outside NELAC accredited lab; O\*=Analysis flagged by outside laboratory.  
Z=Too many colonies present to provide a result (TNTC). A=Value reported is the mean of two or more determinations. R=Reagent water contamination suspected. B=Sample broken in transit.  
NI=Not analyzed due to interferences. K=BOD result estimated due to blank exceeding the allowable oxygen depletion. D=Sample dilution required for analysis/ quality control.  
SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. QB=No QC data assigned to sample; sample result not affected.  
EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.  
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.  
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

Client Name: **SPL LABS**

Address: 2600 Dudley Rd.  
City: Kilgore State: TX Zip: 75662  
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914

Send Email report to: [kilgore.projectmanagement.spllabs.com](mailto:kilgore.projectmanagement.spllabs.com)  
cc: [joel.manjarrez@spllabs.com](mailto:joel.manjarrez@spllabs.com)

City of  
Corpus  
Christi

**Water Utilities Laboratory**  
13101 Leopard St.  
Corpus Christi, TX 78410  
Ph: (361) 826-1200  
Fax: (361) 242-9131



### CHAIN OF CUSTODY RECORD

[illegible]

Relinquished By: <i>Joel Manjary</i>	Date: 10/16/24	Time: 11:40	Special Instructions/Comments:
Received By: <i>Jim</i>	Date: 10-16-24	Time: 11:40	
Relinquished By: <i>Jim</i>	Date: 10-16-24	Time: 1400	
Received By: <i>David</i>	Date: 10/16/24	Time: 1400	
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	pH Strip Lot# ID: pH < 2? YES NO Line(s) #: Data Flag(s):
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	



Project  
1125456

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/15/2024  
7:38

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

Report Name	Description	Pages
1125456_r02_01_ProjectSamples	SPL Kilgore Project P:1125456 C:AZM3 Project Sample Cross Reference t:304	1
1125456_r03_03_ProjectResults	SPL Kilgore Project P:1125456 C:AZM3 Project Results t:304 PO: 4501288570	1
1125456_r10_05_ProjectQC	SPL Kilgore Project P:1125456 C:AZM3 Project Quality Control Groups	1
1125456_r99_09_CoC__1_of_1	SPL Kilgore CoC AZM3 1125456_1_of_1	2
Total Pages:		5







SAMPLE CROSS REFERENCE

Project  
1125456

Printed 11/15/2024 Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Sample	Sample ID	Taken	Time	Received		
2354866	Permit Renew	11/13/2024	09:35:00	11/14/2024		
	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	SM 4500-O G-2016		1147806	11/13/2024	1147806	11/13/2024

Email: Kilgore.ProjectManagement@spllabs.com

AZM3-R

Page 1 of 1

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1125456**

Printed: 11/15/2024

## RESULTS

### Sample Results

**2354866** Permit Renew

Received: 11/14/2024

Non-Potable Water

Collected by: JMZ  
Taken: 11/13/2024

SPL Kilgore  
09:35:00

PO: 4501288570

SM 4500-O G-2016

Prepared: 1147806 11/13/2024 09:40:00 Analyzed 1147806 11/13/2024 09:40:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Dissolved Oxygen Onsite	0.54	mg/L	1.0			

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



Report Page 3 of 6

# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 1

Project

1125456

Printed 11/15/2024

Analytical Set		1147806			SM 4500-O G-2016	
Duplicate						
<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Dissolved Oxygen Onsite	2354866	0.49	0.54	mg/L	9.7	20

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 4 of 6

1125456 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

**CHAIN OF CUSTODY**

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

Printed 11/11/2024 Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**122**

Lab Number 2354864  
PO Number 4501288570 Mandatory 4501126749  
Phone 956/383-4911

**Permit Renew**

☒ Hand Delivered by Client to Region or LAB

**Matrix: Non-Potable Water**

Sample Collection Start

Date: 11-13-2024 Time: 9:35Sampler Printed Name: J. MartinezSampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐**0****On Site Testing**

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By JM2 Date 11-13-24 Time 9:35 Analyzed By JM2 Date 11-13-24 Time 9:40Results 0.54 Units mg/L Temp. 47° C Duplicate 0.49 Units mg/L Temp. 47.1° C

Ambient Conditions/Comments



1125456 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Sure

Printed 11/11/2024

Page 2 of 2

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**122**

Date	Time	Relinquished	Received
		<i>Printed Name</i> <i>Affiliation</i>	<i>Printed Name</i> <i>Affiliation</i>
		<i>Signature</i>	<i>Signature</i>
		<i>Printed Name</i> <i>Affiliation</i>	<i>Printed Name</i> <i>Affiliation</i>
		<i>Signature</i>	<i>Signature</i>
		<i>Printed Name</i> <i>Affiliation</i>	<i>Printed Name</i> <i>Affiliation</i>
		<i>Signature</i>	<i>Signature</i>
		<i>Printed Name</i> <i>Affiliation</i>	<i>Printed Name</i> <i>Affiliation</i>
		<i>Signature</i>	<i>Signature</i>

Sample Received on Ice? ☐ Yes ☐ No

Cooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments





Project  
1122862

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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13:53

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1122862_r10_05_ProjectQC	SPL Kilgore Project P:1122862 C:AZM3 Project Quality Control Groups	18
1122862_r99_09_CoC__1_of_2	SPL Kilgore CoC AZM3 1122862_1_of_2	10
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# SAMPLE CROSS REFERENCE

Project

1122862

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11/4/2024

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2347515	Permit Renew	10/23/2024	09:25:00	10/24/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 04 8 oz Plastic H2SO4 pH < 2  
 Bottle 05 HNO3 to pH <2 Polyethylene 250 mL for Metals  
 Bottle 06 16 oz HNO3 Metals Plastic  
 Bottle 07 8 oz Plastic H2SO4 pH < 2  
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 Glass Qt w/Teflon lined lid  
 Bottle 11 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
 Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 13 Glass /clean metals w/HCl  
 Bottle 14 Cr+6 Preserved 250 Polyethylene  
 Bottle 15 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1144428) Volume: 6.00000 mL <== Derived from 04 ( 6 ml )  
 Bottle 16 BOD Titration Beaker A (Batch 1144514) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Analytical Beaker B (Batch 1144514) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Titration Beaker A (Batch 1144513) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Analytical Beaker B (Batch 1144513) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
 Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
 Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
 Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1144792) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )  
 Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1144815) Volume: 20.00000 mL <== Derived from 01 ( 20 ml )  
 Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1144906) Volume: 50.00000 mL <== Derived from 06 ( 10 ml )  
 Bottle 26 Prepared Bottle: SAR extraction  
 Bottle 27 Prepared Bottle: SAR extraction  
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 13 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1144661	10/24/2024	1144661	10/24/2024
EPA 300.0 2.1	01	1145782	10/31/2024	1145782	10/31/2024
EPA 200.8 5.4	25	1144906	10/28/2024	1145109	10/28/2024
EPA 200.8 5.4	25	1144906	10/28/2024	1145263	10/29/2024
EPA 200.7 4.4	25	1144906	10/28/2024	1145019	10/28/2024
EPA 200.7, Rev. 4.4	24	1144815	10/25/2024	1144895	10/28/2024
EPA 215.1	26	1145166	10/29/2024	1145166	10/29/2024
EPA 245.7 2	28	1145529	10/31/2024	1145605	10/31/2024
EPA 242.1	26	1145166	10/29/2024	1145166	10/29/2024
SM 5210 B-2016	01	1144513	10/30/2024	1144513	10/30/2024

Email: Kilgore.ProjectManagement@spllabs.com

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# SAMPLE CROSS REFERENCE

Project  
**1122862**

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

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Sample	Sample ID	Taken	Time	Received
2347515	Permit Renew	10/23/2024	09:25:00	10/24/2024

- Bottle 01 Polyethylene 1/2 gal (White)
- Bottle 02 Polyethylene Quart
- Bottle 03 Bottle, QEC, 16oz Plastic U016 (100 ea)
- Bottle 04 8 oz Plastic H2SO4 pH < 2
- Bottle 05 HNO3 to pH <2 Polyethylene 250 mL for Metals
- Bottle 06 16 oz HNO3 Metals Plastic
- Bottle 07 8 oz Plastic H2SO4 pH < 2
- Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
- Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
- Bottle 10 Glass Qt w/Teflon lined lid
- Bottle 11 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
- Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber
- Bottle 13 Glass /clean metals w/HCl
- Bottle 14 Cr+6 Preserved 250 Polyethylene
- Bottle 15 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1144428) Volume: 6.00000 mL <== Derived from 04 ( 6 ml )
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- Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )
- Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )
- Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1144792) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )
- Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1144815) Volume: 20.00000 mL <== Derived from 01 ( 20 ml )
- Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1144906) Volume: 50.00000 mL <== Derived from 06 ( 10 ml )
- Bottle 26 Prepared Bottle: SAR extraction
- Bottle 27 Prepared Bottle: SAR extraction
- Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 13 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1144514	10/30/2024	1144514	10/30/2024
SM 4500-CN <sup>-</sup> E-2016	20	1144522	10/25/2024	1145755	11/01/2024
SM 5220 D-2011	04	1145042	10/28/2024	1145042	10/28/2024
SM 2510 B-2011	01	1144937	10/28/2024	1144937	10/28/2024
Calculation			10/31/2024		10/31/2024
SM 3500-Cr B-2011	14	1145289	10/29/2024	1145289	10/29/2024
SM 3500-Cr B-2011		1145436	10/23/2024	1145436	10/23/2024
SM 4500-O G-2016		1144362	10/23/2024	1144362	10/23/2024
EPA 1664B (HEM)	09	1145877	11/01/2024	1145877	11/01/2024
EPA 350.1 2	15	1144428	10/24/2024	1145369	10/30/2024

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## SAMPLE CROSS REFERENCE

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2347515	Permit Renew	10/23/2024	09:25:00	10/24/2024

Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 Polyethylene Quart  
Bottle 03 Bottle, QEC, 16oz Plastic U016 (100 ea)  
Bottle 04 8 oz Plastic H2SO4 pH < 2  
Bottle 05 HNO3 to pH <2 Polyethylene 250 mL for Metals  
Bottle 06 16 oz HNO3 Metals Plastic  
Bottle 07 8 oz Plastic H2SO4 pH < 2  
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 10 Glass Qt w/Teflon lined lid  
Bottle 11 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber  
Bottle 13 Glass /clean metals w/HCl  
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Bottle 19 BOD Analytical Beaker B (Batch 1144513) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
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Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
Bottle 22 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1144522) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1144792) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )  
Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1144815) Volume: 20.00000 mL <== Derived from 01 ( 20 ml )  
Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1144906) Volume: 50.00000 mL <== Derived from 06 ( 10 ml )  
Bottle 26 Prepared Bottle: SAR extraction  
Bottle 27 Prepared Bottle: SAR extraction  
Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 13 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 minus EPA 350.1			10/31/2024		10/31/2024
600/2-78-054 3.2.19			10/31/2024		10/31/2024
SM 2540 C-2015	02	1145118	10/25/2024	1145118	10/25/2024
EPA 351.2 2	23	1144792	10/28/2024	1145267	10/29/2024
SM 5310 C-2014	11	1145243	10/29/2024	1145243	10/29/2024
SM 4500-P E-2011	04	1145853	11/01/2024	1145853	11/01/2024
SM 2540 D-2015	01	1144750	10/25/2024	1144750	10/25/2024
SM 2550 B - 2010		1144364	10/23/2024	1144364	10/23/2024
SM 4500-H+ B-2011		1144361	10/23/2024	1144361	10/23/2024

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# SAMPLE CROSS REFERENCE

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**1122862**

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2347522	Permit Renew - FC	10/23/2024	09:25:00	10/24/2024

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CI G-2011		1144366	10/23/2024	1144366	10/23/2024
Subcontract			10/23/2024		10/23/2024

Sample	Sample ID	Taken	Time	Received
2347525	Hg Field Blank	10/23/2024	09:20:00	10/24/2024

Bottle 01 Client supplied HCl Clean Metals Bottle

Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Bottle 03 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1145529	10/31/2024	1145605	10/31/2024

Sample	Sample ID	Taken	Time	Received
2347527	Hg Trip Blank	10/23/2024	09:22:00	10/24/2024

Bottle 01 Client supplied HCl Clean Metals Bottle

Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1145529) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1145529	10/31/2024	1145605	10/31/2024

Email: Kilgore.ProjectManagement@spllabs.com

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AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1122862

Printed: 11/04/2024

RESULTS

Sample Results

2347515		Permit Renew		Received:		10/24/2024													
Non-Potable Water		Collected by: JMZ		SPL Kilgore		PO:		4501288570											
		Taken: 10/23/2024		09:25:00															
		Prepared:		10/31/2024		15:01:59		Calculated		10/31/2024		15:01:59		CAL					
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Pickup/Sampling/Transport		Verified																	
		Prepared:		1144359		10/23/2024		09:40:00		Analyzed		1144359		10/23/2024		09:40:00		JMZ	
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Field Sulfide Check for CNa		Negative		mg/L															
		Prepared:		1145435		10/23/2024		09:38:00		Analyzed		1145435		10/23/2024		09:38:00		JMZ	
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Field Cl2 Check for CNa		Negative																	
600/2-78-054 3.2.19		Prepared:		10/31/2024		14:55:46		Calculated		10/31/2024		14:55:46		CAL					
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Sodium Adsorption Ratio		0.954		1															
Sodium Adsorption Ratio - Liquid		1.26		1															
Calculation		Prepared:		10/31/2024		14:55:46		Calculated		10/31/2024		14:55:46		CAL					
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Trivalent Chromium		0.0259		mg/L		0.015				16065-83-1									
EPA 1664B (HEM)		Prepared:		1145877		11/01/2024		08:14:00		Analyzed		1145877		11/01/2024		08:14:00		MAX	
Parameter		Results		Units		RL		Flags		CAS				Bottle					
Oil and Grease (HEM)		<4.55		mg/L		4.55								09					
EPA 200.7 4.4		Prepared:		1144906		10/28/2024		09:00:00		Analyzed		1145019		10/28/2024		16:54:00		CAS	
Parameter		Results		Units		RL		Flags		CAS				Bottle					



## AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122862**

Printed: 11/04/2024

### 2347515 Permit Renew

Received: 10/24/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/23/2024

SPL Kilgore  
09:25:00

PO: 4501288570

EPA 200.7.4.4 Prepared: 1144906 10/28/2024 09:00:00 Analyzed 1145019 10/28/2024 16:54:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Boron	0.708	mg/L	0.200		7440-42-8	25

EPA 200.7, Rev. 4.4 Prepared: 1144815 10/25/2024 11:45:00 Analyzed 1144895 10/28/2024 10:40:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Magnesium	4.62	mg/L	0.500		7439-95-4	24

EPA 200.7, Rev. 4.4 Prepared: 1144815 10/25/2024 11:45:00 Analyzed 1144895 10/28/2024 11:03:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Sodium	157	mg/L	5.00		7440-23-5	24

EPA 200.7, Rev. 4.4 Prepared: 1144815 10/25/2024 11:45:00 Analyzed 1144895 10/28/2024 11:13:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Calcium	1160	mg/L	50.0		7440-70-2	24

EPA 200.8.5.4 Prepared: 1144906 10/28/2024 09:00:00 Analyzed 1145109 10/28/2024 23:00:00 HLT

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Arsenic, Total	0.00803	mg/L	0.0025		7440-38-2	25
NELAC	Barium, Total	0.180	mg/L	0.010		7440-39-3	25
NELAC	Beryllium, Total	0.00056	mg/L	0.0025	J	7440-41-7	25
NELAC	Cadmium, Total	0.00124	mg/L	0.0025	J	7440-43-9	25
NELAC	Copper, Total	0.0702	mg/L	0.005		7440-50-8	25
NELAC	Nickel, Total	0.0311	mg/L	0.005		7440-02-0	25
NELAC	Selenium, Total	<0.00364	mg/L	0.00364		7782-49-2	25
NELAC	Silver, Total	<0.000314	mg/L	0.000314		7440-22-4	25
NELAC	Zinc, Total	0.314	mg/L	0.025		7440-66-6	25

EPA 200.8.5.4 Prepared: 1144906 10/28/2024 09:00:00 Analyzed 1145263 10/29/2024 14:30:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	5.03	mg/L	0.00855		7429-90-5	25
NELAC	Antimony, Total	<0.0188	mg/L	0.0188	M	7440-36-0	25
NELAC	Chromium, Total	0.0409	mg/L	0.005		7440-47-3	25
NELAC	Lead, Total	<0.005	mg/L	0.005	M	7439-92-1	25
NELAC	Thallium, Total	<0.005	mg/L	0.005	M	7440-28-0	25



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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122862**

Printed: 11/04/2024

**2347515 Permit Renew**

Received: 10/24/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/23/2024

SPL Kilgore  
09:25:00

PO: 4501288570

EPA 215.1 Prepared: 1145166 10/29/2024 12:32:00 Analyzed 1145166 10/29/2024 12:32:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Calcium (SAR Extracted)	1060	mg/L	10.0		7440-70-2	26

EPA 242.1 Prepared: 1145166 10/29/2024 12:32:00 Analyzed 1145166 10/29/2024 12:32:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Magnesium (SAR Extracted)	<10.0	mg/L	10.0		7439-95-4	26

EPA 245.7.2 Prepared: 1145529 10/31/2024 09:30:00 Analyzed 1145605 10/31/2024 11:41:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	28

EPA 300.0 2.1 Prepared: 1144661 10/24/2024 15:49:00 Analyzed 1144661 10/24/2024 15:49:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	251	mg/L	3.00			01
NELAC	Fluoride	5.25	mg/L	1.00			01
NELAC	Nitrate-Nitrogen Total	0.19	mg/L	0.1		14797-55-8	01

EPA 300.0 2.1 Prepared: 1145782 10/31/2024 18:17:00 Analyzed 1145782 10/31/2024 18:17:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Sulfate	282	mg/L	30.0			01

EPA 350.1 2 Prepared: 1144428 10/24/2024 14:04:33 Analyzed 1145369 10/30/2024 06:27:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	7.01	mg/L	0.200			15

EPA 351.2 2 Prepared: 1144792 10/28/2024 07:26:35 Analyzed 1145267 10/29/2024 13:54:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	24.4	mg/L	0.250		7727-37-9	23



**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122862**

Printed: 11/04/2024

**2347515 Permit Renew**

Received: 10/24/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/23/2024

SPL Kilgore  
09:25:00

PO: 4501288570

EPA 351.2 minus EPA 350.1 Prepared: 10/31/2024 14:55:46 Calculated 10/31/2024 14:55:46 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nitrogen, Total Organic (as N)	17.39	mg/L	0.250			

EPA 6010C Prepared: 1145166 10/29/2024 12:32:00 Analyzed 1145166 10/29/2024 12:32:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Sodium (SAR Extracted)	113	mg/L	10.0		7440-23-5	26

Handbook 60 Prepared: 10/25/2024 14:30:00 Analyzed 10/25/2024 14:30:00 RC1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Saturated Water Percentage	Inapp Matrix	(100% Sat)				

SM 2510 B-2011 Prepared: 1144937 10/28/2024 13:20:00 Analyzed 1144937 10/28/2024 13:20:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
Lab Spec. Conductance at 25 C	7500	umhos/cm				01

SM 2540 C-2015 Prepared: 1145118 10/25/2024 08:20:00 Analyzed 1145118 10/25/2024 08:20:00 JMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Dissolved Solids	15400	mg/L	50.0	C		02

SM 2540 D-2015 Prepared: 1144750 10/25/2024 09:10:00 Analyzed 1144750 10/25/2024 09:10:00 BLC

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Suspended Solids	16500	mg/L	400			01

SM 2550 B - 2010 Prepared: 1144364 10/23/2024 09:30:00 Analyzed 1144364 10/23/2024 09:30:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
Temperature (onsite)	59	Degrees C	1			



## AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1122862**

Printed: 11/04/2024

### 2347515 Permit Renew

Received: 10/24/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/23/2024

SPL Kilgore  
09:25:00

PO: 4501288570

SM 3500-Cr B-2011 Prepared: 1145289 10/29/2024 08:30:00 Analyzed 1145289 10/29/2024 08:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<0.015	mg/L	0.015		18540-29-9	14

SM 3500-Cr B-2011 Prepared: 1145436 10/23/2024 09:25:00 Analyzed 1145436 10/23/2024 09:25:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	<0.003	mg/L	0.003		18540-29-9	

SM 4500-CN<sup>-</sup> E-2016 Prepared: 1144522 10/25/2024 07:42:12 Analyzed 1145755 11/01/2024 06:27:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			20

SM 4500-H+ B-2011 Prepared: 1144361 10/23/2024 09:30:00 Analyzed 1144361 10/23/2024 09:30:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	11	SU				

SM 4500-O G-2016 Prepared: 1144362 10/23/2024 09:32:00 Analyzed 1144362 10/23/2024 09:32:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	0.57	mg/L	1.0			

SM 4500-P E-2011 Prepared: 1145853 11/01/2024 08:00:00 Analyzed 1145853 11/01/2024 08:00:00 PNR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phosphorus (as P), total	38.0	mg/L	6.00		7723-14-0	04

SM 5210 B-2016 Prepared: 1144513 10/25/2024 Analyzed 1144513 10/30/2024 13:09:22 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	8700	mg/L	750		1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1144514 10/25/2024 Analyzed 1144514 10/30/2024 12:09:07 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
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Printed: 11/04/2024

**2347515 Permit Renew**

Received: 10/24/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/23/2024 09:25:00

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1144514 10/25/2024 Analyzed 1144514 10/30/2024 12:09:07 ESN

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC BOD Carbonaceous	7100	mg/L	750			01

SM 5220 D-2011 Prepared: 1145042 10/28/2024 09:30:00 Analyzed 1145042 10/28/2024 09:30:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chemical Oxygen Demand	14700	mg/L	500			04

SM 5310 C-2014 Prepared: 1145243 10/29/2024 20:22:00 Analyzed 1145243 10/29/2024 20:22:00 JDK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Organic Carbon	<0.500	mg/L	0.500			11

**2347522 Permit Renew - FC**

Received: 10/24/2024

Non-Potable Water Collected by: Client SPL Kilgore PO: 4501288570  
Taken: 10/23/2024 09:25:00

Fecal Coliform subcontracted to CC Water Utilites Laboratory

SM 4500-CI G-2011 Prepared: 1144366 10/23/2024 09:38:00 Analyzed 1144366 10/23/2024 09:38:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cl2 Res.,Total(Onsite)Spec Mid	<0.05	mg/L	0.05			

Subcontract Prepared: 10/23/2024 15:03:00 Analyzed 10/23/2024 15:03:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle
z Fecal Coliform - RGV region	See Attached				CCWU	

**2347525 Hg Field Blank**

Received: 10/24/2024

Non-Potable Water Collected by: JMZ SPL Kilgore PO: 4501288570  
Taken: 10/23/2024 09:20:00







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1122862

Printed: 11/04/2024

2347525	Hg Field Blank					Received:	10/24/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore			PO:	4501288570	
	Taken: 10/23/2024	09:20:00					

		Prepared:	10/24/2024	12:03:14	Calculated	10/24/2024	12:03:14	CA		
z	Parameter	Results	Units	RL	Flags	CAS		Bottle		
	LL Mercury Field Blank Prep	Verified				7439-97-6				
	EPA 245.7 2	Prepared:	1145529	10/31/2024	09:30:00	Analyzed	1145605	10/31/2024	11:31:00	MP
NELAC	Parameter	Results	Units	RL	Flags	CAS		Bottle		
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6		02		

2347527	Hg Trip Blank					Received:	10/24/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore			PO:	4501288570	
	Taken: 10/23/2024	09:22:00					

		Prepared:	10/24/2024	12:03:14	Calculated	10/24/2024	12:03:14	CA		
z	Parameter	Results	Units	RL	Flags	CAS		Bottle		
	LL Mercury Trip Blank Prep	Verified				7439-97-6				
	EPA 245.7 2	Prepared:	1145529	10/31/2024	09:30:00	Analyzed	1145605	10/31/2024	11:45:00	MP
NELAC	Parameter	Results	Units	RL	Flags	CAS		Bottle		
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6		02		

Sample Preparation

2347515	Permit Renew					Received:	10/24/2024
						4501288570	
	10/23/2024						



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Printed: 11/04/2024

2347515 Permit Renew

Received: 10/24/2024  
4501288570

10/23/2024

	Prepared:	10/31/2024	15:01:59	Calculated	10/31/2024	15:01:59	CAL
z	Environmental Fee (per Project)	Verified					
z	LL Mercury Test Prep	Verified					
	600/2-78-054 3.2.19	Prepared:	1145107 10/29/2024 09:50:00	Analyzed	1145107 10/29/2024 09:50:00	JDK	
	Sodium Adsorption Ratio Extract	PREPARED/PREP ml					01
		AR					
	EPA 1664B (HEM)	Prepared:	1145791 11/01/2024 08:14:00	Analyzed	1145791 11/01/2024 08:14:00	MAX	
NELAC	O&G HEM Started	Started					
	EPA 200.2 2.8	Prepared:	1144906 10/28/2024 09:00:00	Analyzed	1144906 10/28/2024 09:00:00	HLT	
z	Liquid Metals Digestion	50/10 ml					06
	EPA 242.1	Prepared:	10/31/2024 14:55:46	Calculated	10/31/2024 14:55:46	CAL	
NELAC	Magnesium (SAR) meq/L calculatio	<0.833 meq/L	0.833			7439-95-4	
	EPA 245.7 2	Prepared:	1145529 10/31/2024 09:30:00	Analyzed	1145529 10/31/2024 09:30:00	MP1	
NELAC	Low Level Mercury Liquid Metals	50/47 ml					13
	EPA 273.1	Prepared:	10/31/2024 14:55:46	Calculated	10/31/2024 14:55:46	CAL	
NELAC	Calcium (SAR) meq/L calculation	53.0 meq/L	0.500			7440-70-2	



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Printed: 11/04/2024

2347515 Permit Renew

Received: 10/24/2024  
4501288570

10/23/2024

EPA 350.2, Rev. 2.0 Prepared: 1144428 10/24/2024 14:04:33 Analyzed 1144428 10/24/2024 14:04:33 MEG

NELAC Ammonia Distillation 6/6 ml 04

EPA 351.2, Rev 2.0 Prepared: 1144792 10/28/2024 07:26:35 Analyzed 1144792 10/28/2024 07:26:35 MEG

NELAC TKN Block Digestion 20/20 ml 07

EPA 6010C Prepared: 10/31/2024 14:55:46 Calculated 10/31/2024 14:55:46 CAL

NELAC Sodium (SAR) meq/L calculation 4.92 meq/L 0.435 7440-23-5

SM 2540 C-2015 Prepared: 1144561 10/25/2024 08:20:00 Analyzed 1144561 10/25/2024 08:20:00 JMB

NELAC Total Dissolved Solids Started Started

SM 2540 C-2015 Prepared: 1145281 10/30/2024 08:15:00 Analyzed 1145281 10/30/2024 08:15:00 JMB

NELAC Total Dissolved Solids Started Started

SM 2540 D-2011 Prepared: 1144450 10/24/2024 14:44:39 Analyzed 1144450 10/24/2024 14:44:39 BLC

NELAC TSS Set Started Started

SM 3030 B-2004 Prepared: 1144815 10/25/2024 11:45:00 Analyzed 1144815 10/25/2024 11:45:00 ALB

z Dissolved (Wastewater) Filtering 20/20 ml 01

SM 4500-CN<sup>-</sup> C-2016 Prepared: 1144522 10/25/2024 07:42:12 Analyzed 1144522 10/25/2024 07:42:12 MEG



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**2347515 Permit Renew**

Received: 10/24/2024  
4501288570

10/23/2024

SM 4500-CN<sup>-</sup> C-2016 Prepared: 1144522 10/25/2024 07:42:12 Analyzed 1144522 10/25/2024 07:42:12 MEG

NELAC Cyanide Distillation 10/5 ml 12

SM 5210 B-2016 Prepared: 1144513 10/25/2024 Analyzed 1144513 10/25/2024 06:57:10 ESN

NELAC BOD Set Started Started

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1144514 10/25/2024 Analyzed 1144514 10/25/2024 06:57:10 ESN

NELAC BODc Set Started Started

**2347525 Hg Field Blank**

Received: 10/24/2024  
4501288570

10/23/2024

EPA 245.7.2 Prepared: 1145529 10/31/2024 09:30:00 Analyzed 1145529 10/31/2024 09:30:00 MP1

NELAC Low Level Mercury Liquid Metals 50/47 ml 01

**2347527 Hg Trip Blank**

Received: 10/24/2024  
4501288570

10/23/2024

EPA 245.7.2 Prepared: 1145529 10/31/2024 09:30:00 Analyzed 1145529 10/31/2024 09:30:00 MP1

NELAC Low Level Mercury Liquid Metals 50/47 ml 01



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**1122862**

Printed: 11/04/2024

Qualifiers:

J - Analyte detected below quantitation limit      C - Confirmed value  
M - High reporting level resulting from matrix interference.

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery, MS, VP Technical Services



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# QUALITY CONTROL



## AZM3-R

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Juan Martinez  
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Printed 11/04/2024

Analytical Set 1144513

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1144513	0.1	0.200	0.500	mg/L	126928559
Biochemical Oxygen Demand (BOD5)	1144513	0.1	0.200	0.500	mg/L	126928613
Biochemical Oxygen Demand (BOD5)	1144513	0.1	0.200	0.500	mg/L	126928665

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2347491	9.64	9.04	mg/L	6.42	30.0
Biochemical Oxygen Demand (BOD5)	2347512	4.64	5.04	mg/L	8.26	30.0
Biochemical Oxygen Demand (BOD5)	2347610	18.6	17.2	mg/L	7.82	30.0
Biochemical Oxygen Demand (BOD5)	2347720	2.84	3.72	mg/L	26.8	30.0
Biochemical Oxygen Demand (BOD5)	2347887	63.0	62.9	mg/L	0.159	30.0
Biochemical Oxygen Demand (BOD5)	2347987	4.09	4.53	mg/L	10.2	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1144513	0.740	0.200	0.500	mg/L	126928561
Biochemical Oxygen Demand (BOD5)	1144513	0.870	0.200	0.500	mg/L	126928615
Biochemical Oxygen Demand (BOD5)	1144513	0.987	0.200	0.500	mg/L	126928667

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)	223	198	mg/L	113	83.7 - 116		126928562
Biochemical Oxygen Demand (BOD5)	215	198	mg/L	109	83.7 - 116		126928616
Biochemical Oxygen Demand (BOD5)	223	198	mg/L	113	83.7 - 116		126928668

Analytical Set 1144514

SM 5210 B-2016 (TCMP Inhibitor)

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1144514	0.08	0.200	0.500	mg/L	126928687
BOD Carbonaceous	1144514	0.1	0.200	0.500	mg/L	126928739
BOD Carbonaceous	1144514	0.08	0.200	0.500	mg/L	126931048

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2347482	116	126	mg/L	8.26	30.0
BOD Carbonaceous	2347560	2.76	2.04	mg/L	30.0	30.0
BOD Carbonaceous	2347728	ND	ND	mg/L		30.0
BOD Carbonaceous	2347794	6.39	5.95	mg/L	7.13	30.0
BOD Carbonaceous	2348136	2.04	3.08	mg/L	40.6	* 30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1144514	0.810	0.200	0.500	mg/L	126928689
BOD Carbonaceous	1144514	0.803	0.200	0.500	mg/L	126928741
BOD Carbonaceous	1144514	0.690	0.200	0.500	mg/L	126931050

Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



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Standard							
<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
BOD Carbonaceous		217	198	mg/L	110	83.7 - 116	126928690
BOD Carbonaceous		211	198	mg/L	107	83.7 - 116	126928742
BOD Carbonaceous		224	198	mg/L	113	83.7 - 116	126931051

Analytical Set **1144963** EPA 351.2 2

Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Nitrate-Nitrogen Total	1144792	0.0101	0.00464	0.0226	mg/L	126944588					
Ortho-phosphate as P	1144792	ND	0.0193	0.0326	mg/L	126944588					
LCS Dup											
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>	<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>	
Nitrate-Nitrogen Total	1144792	1.13	1.12	1.13	86.3 - 117	100	99.1	mg/L	0.889	20.0	
Ortho-phosphate as P	1144792	1.69	1.68	1.63	85.8 - 116	104	103	mg/L	0.593	20.0	
MSD											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Nitrate-Nitrogen Total	2347221	23.2	23.2	19.2	4.52	80.0 - 120	88.5	88.5	mg/L	0	20.0
Ortho-phosphate as P	2347221	7.53	7.61	0.999	6.52	80.0 - 120	100	101	mg/L	1.22	20.0

Analytical Set **1145267** EPA 351.2 2

Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Total Kjeldahl Nitrogen	1144792	ND	0.00712	0.050	mg/L	126951612					
CCV											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Total Kjeldahl Nitrogen		5.13	5.00	mg/L	103	90.0 - 110	126951611				
Total Kjeldahl Nitrogen		5.28	5.00	mg/L	106	90.0 - 110	126951614				
Total Kjeldahl Nitrogen		5.34	5.00	mg/L	107	90.0 - 110	126951625				
Total Kjeldahl Nitrogen		5.35	5.00	mg/L	107	90.0 - 110	126951633				
Duplicate											
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>		<i>RPD</i>		<i>Limit%</i>	
Total Kjeldahl Nitrogen	2347719		ND	ND		mg/L				20.0	
Total Kjeldahl Nitrogen	2348510		0.726	ND		mg/L		200	*	20.0	
ICV											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Total Kjeldahl Nitrogen		4.81	5.00	mg/L	96.2	90.0 - 110	126951610				
LCS Dup											
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>		<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Total Kjeldahl Nitrogen	1144792	5.09	4.94		5.00	90.0 - 110	102	98.8	mg/L	2.99	20.0
Mat. Spike											
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recoverv %</i>	<i>Limits %</i>	<i>File</i>			

Email: Kilgore.ProjectManagement@spillabs.com



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## Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Kjeldahl Nitrogen	2347719	-0.032	ND	5.00	mg/L	0	80.0 - 120	126951618	*
Total Kjeldahl Nitrogen	2348510	4.99	ND	5.00	mg/L	99.8	80.0 - 120	126951621	

Analytical Set

1145369

EPA 350.1 2

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Ammonia Nitrogen	1144428	ND	0.00336	0.020	mg/L	126954986

## CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	126954946
Ammonia Nitrogen	2.03	2.00	mg/L	102	90.0 - 110	126954955
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	126954963
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	126954970
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	126954980
Ammonia Nitrogen	1.92	2.00	mg/L	96.0	90.0 - 110	126954991
Ammonia Nitrogen	2.18	2.00	mg/L	109	90.0 - 110	126955001
Ammonia Nitrogen	2.18	2.00	mg/L	109	90.0 - 110	126955007
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	126955017
Ammonia Nitrogen	2.07	2.00	mg/L	104	90.0 - 110	126955025
Ammonia Nitrogen	2.06	2.00	mg/L	103	90.0 - 110	126955032
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	126955043
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	126955053
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	126955064
Ammonia Nitrogen	2.01	2.00	mg/L	100	90.0 - 110	126955073
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	126955078
Ammonia Nitrogen	1.95	2.00	mg/L	97.5	90.0 - 110	126955089
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	126955092

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2347469	0.204	0.187	mg/L	8.70	20.0
Ammonia Nitrogen	2347480	0.041	0.065	mg/L	45.3 *	20.0

## ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.19	2.00	mg/L	110	90.0 - 110	126954945

## LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1144428	2.13	2.11	2.00	90.0 - 110	106	106	mg/L	0.943	20.0

## Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Ammonia Nitrogen	2347469	2.18	0.187	2.00	mg/L	99.6	80.0 - 120	126954992
Ammonia Nitrogen	2347480	2.00	0.065	2.00	mg/L	96.8	80.0 - 120	126954995

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# QUALITY CONTROL



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**AZM3-R**

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*Project*  
**1122862**

Printed 11/04/2024

Analytical Set **1145755**

**SM 4500-CN<sup>-</sup> E-2016**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Cyanide, total	1144522	ND	0.00238	0.005	mg/L	126963671

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	0.501	0.500	mg/L	100	90.0 - 110	126963660
Cyanide, total	0.503	0.500	mg/L	101	90.0 - 110	126963661
Cyanide, total	0.508	0.500	mg/L	102	90.0 - 110	126963662
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	126963666
Cyanide, total	0.515	0.500	mg/L	103	90.0 - 110	126963676
Cyanide, total	0.515	0.500	mg/L	103	90.0 - 110	126963687
Cyanide, total	0.518	0.500	mg/L	104	90.0 - 110	126963695
Cyanide, total	0.517	0.500	mg/L	103	90.0 - 110	126963702
Cyanide, total	0.522	0.500	mg/L	104	90.0 - 110	126963705

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	2347515	ND	ND	mg/L		20.0
Cyanide, total	2347529	ND	ND	mg/L		20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	0.207	0.200	mg/L	104	90.0 - 110	126963659

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	1144522	0.0438	0.0362	0.040	90.0 - 110	110	90.5	mg/L	19.0	20.0

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Cyanide, total	2347515	0.0362	ND	0.040	mg/L	90.5	90.0 - 110	126963677
Cyanide, total	2347529	0.0344	ND	0.040	mg/L	86.0	90.0 - 110	126963680

\*

Analytical Set **1144361**

**SM 4500-H+ B-2011**

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
pH (Onsite)	2347515	11	11	SU		20

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	1144361	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1144361	8.0	8.0	SU	100	90 - 110	

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# QUALITY CONTROL



**AZM3-R**

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*Project*  
**1122862**

Printed 11/04/2024

Analytical Set **1144362** **SM 4500-O G-2016**

**Duplicate**

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Dissolved Oxygen Onsite	<b>2347515</b>	<b>0.50</b>	<b>0.57</b>	<b>mg/L</b>	13.1	20

Analytical Set **1144364** **SM 2550 B - 2010**

**Duplicate**

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Temperature (onsite)	<b>2347515</b>	<b>59</b>	<b>59</b>	<b>Degrees C</b>		20

Analytical Set **1144366** **SM 4500-Cl G-2011**

**Duplicate**

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cl2 Res.,Total(Onsite)Spec Mid	<b>2347522</b>	<b>ND</b>	<b>ND</b>	<b>mg/L</b>		20

**Standard**

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cl2 Res.,Total(Onsite)Spec Mid	<b>1144366</b>	<b>0.210</b>	<b>0.220</b>	<b>mg/L</b>	<b>95.5</b>	<b>90 - 110</b>	
Cl2 Res.,Total(Onsite)Spec Mid	<b>1144366</b>	<b>0.940</b>	<b>0.930</b>	<b>mg/L</b>	<b>101.1</b>	<b>90 - 110</b>	
Cl2 Res.,Total(Onsite)Spec Mid	<b>1144366</b>	<b>1.57</b>	<b>1.58</b>	<b>mg/L</b>	<b>99.4</b>	<b>90 - 110</b>	

Analytical Set **1145435**

**Duplicate**

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Cl2 Check for CNa	<b>2347515</b>	<b>Negative</b>	<b>NEGATIVE</b>			20

Analytical Set **1144750** **SM 2540 D-2015**

**Blank**

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	<b>1144750</b>	<b>ND</b>	<b>2</b>	<b>2</b>	<b>mg/L</b>	<b>126939416</b>

**ControlBlk**

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	<b>1144750</b>	<b>0.0002</b>			<b>grams</b>	<b>126939415</b>

**Duplicate**

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	<b>2347515</b>	<b>17200</b>	<b>16500</b>	<b>mg/L</b>	4.15	20.0
Total Suspended Solids	<b>2347564</b>	<b>72.0</b>	<b>84.0</b>	<b>mg/L</b>	15.4	20.0
Total Suspended Solids	<b>2347619</b>	<b>289</b>	<b>278</b>	<b>mg/L</b>	3.88	20.0

**LCS**

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	<b>1144750</b>	<b>51.0</b>	<b>50.0</b>	<b>mg/L</b>	<b>102</b>	<b>90.0 - 110</b>	<b>126939449</b>

**Standard**

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
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# QUALITY CONTROL



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**AZM3-R**

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**1122862**

Printed 11/04/2024

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		100	100	mg/L	100	90.0 - 110	126939448

Analytical Set 1145118 SM 2540 C-2015

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Total Dissolved Solids	1145118	ND	5.00	5.00	mg/L		126948057

ControlBlk							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Total Dissolved Solids	1145118	0.0004			grams		126948044

Duplicate							
<u>Parameter</u>	<u>Sample</u>		<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	2347350		2680	2690	mg/L	0.372	20.0

LCS							
<i><u>Parameter</u></i>	<i><u>PrepSet</u></i>	<i><u>Reading</u></i>	<i><u>Known</u></i>	<i><u>Units</u></i>	<i><u>Recover%</u></i>	<i><u>Limits</u></i>	<i><u>File</u></i>
Total Dissolved Solids	1145118	204	200	mg/L	102	85.0 - 115	126948058

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Dissolved Solids		100	100	mg/L	100	90.0 - 110	126948045

Analytical Set 1145877 EPA 1664B (HEM)

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Oil and Grease (HEM)	1145877	0.9000	0.8040	4.00	mg/L		126967331

ControlBlk							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Oil and Grease (HEM)	1145877	0.0003			grams		126967330
Oil and Grease (HEM)	1145877	0.0005			grams		126967355

LCS							
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Oil and Grease (HEM)	1145877	32.0	40.0	mg/L	80.0	78.0 - 114	126967332

MS											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Oil and Grease (HEM)	2347563	78.50	0	40.10	40.0	78.0 - 114	96.0		mg/L		20.0

Analytical Set 1144661 EPA 300.0 2.1

AWRL/LOQ C							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Fluoride		0.0952	0.100	mg/L	95.2	70.0 - 130	126937789
Nitrate-Nitrogen Total		0.0244	0.0226	mg/L	108	70.0 - 130	126937789

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# QUALITY CONTROL



## AZM3-R

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Project  
1122862

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### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1144661	0.0459	0.0298	0.300	mg/L	126937790
Fluoride	1144661	ND	0.0101	0.100	mg/L	126937790
Nitrate-Nitrogen Total	1144661	ND	0.00464	0.0226	mg/L	126937790

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1144661	0.0409	0.0298	0.300	mg/L	126937786
Chloride	1144661	0.0427	0.0298	0.300	mg/L	126937802
Chloride	1144661	0.0432	0.0298	0.300	mg/L	126937818
Fluoride	1144661	0	0.0101	0.100	mg/L	126937786
Fluoride	1144661	0	0.0101	0.100	mg/L	126937802
Fluoride	1144661	0	0.0101	0.100	mg/L	126937818
Nitrate-Nitrogen Total	1144661	0.00135	0.00464	0.0226	mg/L	126937786
Nitrate-Nitrogen Total	1144661	0.00237	0.00464	0.0226	mg/L	126937802
Nitrate-Nitrogen Total	1144661	0.00223	0.00464	0.0226	mg/L	126937818

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.1	10.0	mg/L	101	90.0 - 110	126937785
Chloride	10.2	10.0	mg/L	102	90.0 - 110	126937801
Chloride	10.2	10.0	mg/L	102	90.0 - 110	126937817
Fluoride	9.71	10.0	mg/L	97.1	90.0 - 110	126937785
Fluoride	9.95	10.0	mg/L	99.5	90.0 - 110	126937801
Fluoride	9.95	10.0	mg/L	99.5	90.0 - 110	126937817
Nitrate-Nitrogen Total	2.27	2.26	mg/L	100	90.0 - 110	126937785
Nitrate-Nitrogen Total	2.30	2.26	mg/L	102	90.0 - 110	126937801
Nitrate-Nitrogen Total	2.29	2.26	mg/L	101	90.0 - 110	126937817

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1144661	5.14	5.10	5.00	85.0 - 115	103	102	mg/L	0.781	20.0
Fluoride	1144661	5.51	5.52	5.00	88.0 - 118	110	110	mg/L	0.181	20.0
Nitrate-Nitrogen Total	1144661	1.14	1.13	1.13	86.3 - 117	101	100	mg/L	0.881	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2347071	1060	1070	989	100	80.0 - 120	71.0 *	81.0	mg/L	13.2	20.0
Fluoride	2347071	67.8	69.0	ND	100	80.0 - 120	67.8 *	69.0 *	mg/L	1.75	20.0
Nitrate-Nitrogen Total	2347071	22.5	22.4	0.964	22.6	80.0 - 120	95.3	94.8	mg/L	0.465	20.0
Chloride	2347552	2320	2300	2210	200	80.0 - 120	55.0 *	45.0 *	mg/L	20.0	20.0
Fluoride	2347552	136	136	ND	200	80.0 - 120	68.0 *	68.0 *	mg/L	0	20.0
Nitrate-Nitrogen Total	2347552	44.1	43.5	0.140	45.2	80.0 - 120	97.3	95.9	mg/L	1.37	20.0

Analytical Set 1145782

EPA 300.0 2.1

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
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# QUALITY CONTROL



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## AZM3-R

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1122862

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### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1145782	ND	0.0605	0.300	mg/L	126964281

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1145782	0	0.0605	0.300	mg/L	126964277
Sulfate	1145782	0	0.0605	0.300	mg/L	126964293
Sulfate	1145782	0	0.0605	0.300	mg/L	126964309

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Sulfate	10.4	10.0	mg/L	104	90.0 - 110	126964276
Sulfate	9.14	10.0	mg/L	91.4	90.0 - 110	126964292
Sulfate	9.03	10.0	mg/L	90.3	90.0 - 110	126964308

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Sulfate	1145782	4.81	5.04	5.00	85.4 - 124	96.2	101	mg/L	4.67	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Sulfate	2349861	105	106	90.3	20.0	80.0 - 120	73.5 *	78.5 *	mg/L	6.58	20.0
Sulfate	2349862	155	158	111	50.0	80.0 - 120	88.0	94.0	mg/L	6.59	20.0

Analytical Set

1144895

EPA 200.7 4.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Dissolved Calcium	1144815	ND	0.0156	0.500	mg/L	126943100
Dissolved Magnesium	1144815	ND	0.00367	0.500	mg/L	126943100
Dissolved Sodium	1144815	ND	0.0139	0.500	mg/L	126943100

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	24.6	25.0	mg/L	98.4	90.0 - 110	126943075
Dissolved Calcium	24.7	25.0	mg/L	98.8	90.0 - 110	126943097
Dissolved Calcium	24.6	25.0	mg/L	98.4	90.0 - 110	126943108
Dissolved Calcium	24.6	25.0	mg/L	98.4	90.0 - 110	126943111
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	126943075
Dissolved Magnesium	24.8	25.0	mg/L	99.2	90.0 - 110	126943097
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	126943108
Dissolved Sodium	23.7	25.0	mg/L	94.8	90.0 - 110	126943075
Dissolved Sodium	23.9	25.0	mg/L	95.6	90.0 - 110	126943097
Dissolved Sodium	23.9	25.0	mg/L	95.6	90.0 - 110	126943108
Dissolved Sodium	23.7	25.0	mg/L	94.8	90.0 - 110	126943111

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	51.4	50.0	mg/L	103	95.0 - 105	126943069

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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
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Edinburg, TX 78541-

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**1122862**

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### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Magnesium	50.5	50.0	mg/L	101	95.0 - 105	126943069
Dissolved Sodium	50.8	50.0	mg/L	102	95.0 - 105	126943069

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	26.1	25.0	mg/L	104	90.0 - 110	126943073
Dissolved Magnesium	25.6	25.0	mg/L	102	90.0 - 110	126943073
Dissolved Sodium	24.7	25.0	mg/L	98.8	90.0 - 110	126943073

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Dissolved Calcium	2347925	335	356	345	5.00	75.0 - 125	-200 *	220 *	mg/L	4200 *	20.0
Dissolved Magnesium	2347925	12.3	12.3	8.93	5.00	75.0 - 125	67.4 *	67.4 *	mg/L	0	20.0
Dissolved Sodium	2347925	258	274	265	5.00	75.0 - 125	-140 *	180 *	mg/L	1600 *	20.0

Analytical Set

1145019

EPA 200.7 4.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Boron	1144906	ND	0.00103	0.008	mg/L	126945514

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	0.983	1.00	mg/L	98.3	90.0 - 110	126945512
Boron	0.984	1.00	mg/L	98.4	90.0 - 110	126945513
Boron	1.00	1.00	mg/L	100	90.0 - 110	126945523
Boron	0.996	1.00	mg/L	99.6	90.0 - 110	126945529
Boron	0.987	1.00	mg/L	98.7	90.0 - 110	126945537
Boron	0.993	1.00	mg/L	99.3	90.0 - 110	126945542

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	10.3	10.0	mg/L	103	95.0 - 105	126945510

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	0.998	1.00	mg/L	99.8	90.0 - 110	126945511

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Boron	1144906	0.970	0.971	1.00	85.0 - 115	97.0	97.1	mg/L	0.103	25.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Boron	2347516	2.03	2.05	1.06	1.00	75.0 - 125	97.0	99.0	mg/L	2.04	25.0

Analytical Set

1145109

EPA 200.8 5.4

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# QUALITY CONTROL



## AZM3-R

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### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Arsenic, Total	1144906	0.000433	0.00025	0.0005	mg/L	126947685
Barium, Total	1144906	ND	0.000348	0.002	mg/L	126947685
Beryllium, Total	1144906	ND	0.0000604	0.0005	mg/L	126947685
Cadmium, Total	1144906	ND	0.000095	0.0005	mg/L	126947685
Copper, Total	1144906	ND	0.0005	0.001	mg/L	126947685
Nickel, Total	1144906	ND	0.0005	0.001	mg/L	126947685
Selenium, Total	1144906	ND	0.000728	0.002	mg/L	126947685
Silver, Total	1144906	ND	0.0000628	0.0002	mg/L	126947685
Zinc, Total	1144906	ND	0.0025	0.005	mg/L	126947685

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	126947634
Arsenic, Total	0.0507	0.05	mg/L	101	90.0 - 110	126947645
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947655
Arsenic, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	126947663
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126947667
Arsenic, Total	0.0506	0.05	mg/L	101	90.0 - 110	126947676
Arsenic, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126947686
Arsenic, Total	0.0504	0.05	mg/L	101	90.0 - 110	126947697
Arsenic, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126947708
Arsenic, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126947717
Barium, Total	0.0511	0.05	mg/L	102	90.0 - 110	126947634
Barium, Total	0.0511	0.05	mg/L	102	90.0 - 110	126947645
Barium, Total	0.0502	0.05	mg/L	100	90.0 - 110	126947655
Barium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126947663
Barium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126947667
Barium, Total	0.0511	0.05	mg/L	102	90.0 - 110	126947676
Barium, Total	0.052	0.05	mg/L	104	90.0 - 110	126947686
Barium, Total	0.051	0.05	mg/L	102	90.0 - 110	126947697
Barium, Total	0.0507	0.05	mg/L	101	90.0 - 110	126947708
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126947634
Beryllium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126947645
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126947655
Beryllium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947663
Beryllium, Total	0.0519	0.05	mg/L	104	90.0 - 110	126947667
Beryllium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947686
Beryllium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126947697
Beryllium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126947708
Beryllium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126947717
Cadmium, Total	0.0508	0.05	mg/L	102	90.0 - 110	126947634
Cadmium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126947645
Cadmium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126947655
Cadmium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947663
Cadmium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126947676

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126947686
Cadmium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126947697
Cadmium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126947708
Cadmium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947717
Copper, Total	0.0517	0.05	mg/L	103	90.0 - 110	126947634
Copper, Total	0.0513	0.05	mg/L	103	90.0 - 110	126947645
Copper, Total	0.0522	0.05	mg/L	104	90.0 - 110	126947655
Copper, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	126947663
Copper, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126947667
Copper, Total	0.0516	0.05	mg/L	103	90.0 - 110	126947676
Copper, Total	0.0502	0.05	mg/L	100	90.0 - 110	126947686
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	126947697
Copper, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	126947708
Copper, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126947717
Nickel, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126947634
Nickel, Total	0.0509	0.05	mg/L	102	90.0 - 110	126947645
Nickel, Total	0.0509	0.05	mg/L	102	90.0 - 110	126947655
Nickel, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	126947663
Nickel, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126947676
Nickel, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947686
Nickel, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126947697
Nickel, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947708
Nickel, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126947717
Selenium, Total	0.0546	0.05	mg/L	109	90.0 - 110	126947634
Selenium, Total	0.0514	0.05	mg/L	103	90.0 - 110	126947645
Selenium, Total	0.051	0.05	mg/L	102	90.0 - 110	126947655
Selenium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126947663
Selenium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126947667
Selenium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947676
Selenium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947686
Selenium, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	126947697
Selenium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947708
Selenium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126947717
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947634
Silver, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126947645
Silver, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126947655
Silver, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126947663
Silver, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947667
Silver, Total	0.0506	0.05	mg/L	101	90.0 - 110	126947686
Silver, Total	0.0501	0.05	mg/L	100	90.0 - 110	126947697
Silver, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126947708
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126947717
Zinc, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126947634
Zinc, Total	0.0512	0.05	mg/L	102	90.0 - 110	126947645
Zinc, Total	0.0515	0.05	mg/L	103	90.0 - 110	126947655

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# QUALITY CONTROL



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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Zinc, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126947663
Zinc, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126947667
Zinc, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126947676
Zinc, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126947686
Zinc, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126947697
Zinc, Total	0.0504	0.05	mg/L	101	90.0 - 110	126947708
Zinc, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	126947717

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0514	0.05	mg/L	103	90.0 - 110	126947629
Barium, Total	0.0502	0.05	mg/L	100	90.0 - 110	126947629
Beryllium, Total	0.0509	0.05	mg/L	102	90.0 - 110	126947629
Cadmium, Total	0.0504	0.05	mg/L	101	90.0 - 110	126947629
Copper, Total	0.052	0.05	mg/L	104	90.0 - 110	126947629
Nickel, Total	0.052	0.05	mg/L	104	90.0 - 110	126947629
Selenium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126947629
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126947629
Zinc, Total	0.052	0.05	mg/L	104	90.0 - 110	126947629

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic, Total	1144906	0.486	0.493	0.500	85.0 - 115	97.2	98.6	mg/L	1.43	20.0
Barium, Total	1144906	0.546	0.510	0.500	85.0 - 115	109	102	mg/L	6.82	20.0
Beryllium, Total	1144906	0.209	0.201	0.200	85.0 - 115	104	100	mg/L	3.90	20.0
Cadmium, Total	1144906	0.263	0.244	0.250	85.0 - 115	105	97.6	mg/L	7.50	20.0
Copper, Total	1144906	0.516	0.495	0.500	85.0 - 115	103	99.0	mg/L	4.15	20.0
Nickel, Total	1144906	0.530	0.493	0.500	85.0 - 115	106	98.6	mg/L	7.23	20.0
Selenium, Total	1144906	0.491	0.494	0.500	85.0 - 115	98.2	98.8	mg/L	0.609	20.0
Silver, Total	1144906	0.0991	0.0924	0.100	85.0 - 115	99.1	92.4	mg/L	7.00	20.0
Zinc, Total	1144906	0.524	0.494	0.500	85.0 - 115	105	98.8	mg/L	5.89	20.0

### MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.000806	0.001	mg/L	80.6	25.0 - 175	126947630

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2347516	0.488	0.495	0.00343	0.500	70.0 - 130	96.9	98.3	mg/L	1.43	20.0
Barium, Total	2347516	0.588	0.588	0.0861	0.500	70.0 - 130	100	100	mg/L	0	20.0
Beryllium, Total	2347516	0.193	0.189	0.000113	0.200	70.0 - 130	96.4	94.4	mg/L	2.10	20.0
Cadmium, Total	2347516	0.233	0.235	ND	0.250	70.0 - 130	93.2	94.0	mg/L	0.855	20.0
Copper, Total	2347516	0.474	0.474	0.00499	0.500	70.0 - 130	93.8	93.8	mg/L	0	20.0
Nickel, Total	2347516	0.465	0.464	0.00287	0.500	70.0 - 130	92.4	92.2	mg/L	0.217	20.0
Selenium, Total	2347516	0.469	0.482	0.000816	0.500	70.0 - 130	93.6	96.2	mg/L	2.74	20.0
Silver, Total	2347516	0.0859	0.0861	ND	0.100	70.0 - 130	85.9	86.1	mg/L	0.233	20.0

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# QUALITY CONTROL



## AZM3-R

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### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Zinc, Total	2347516	0.495	0.512	0.0288	0.500	70.0 - 130	93.2	96.6	mg/L	3.58	20.0
Arsenic, Total	2347918	0.505	0.497	0.00326	0.500	70.0 - 130	100	98.7	mg/L	1.61	20.0
Barium, Total	2347918	0.557	0.557	0.0482	0.500	70.0 - 130	102	102	mg/L	0	20.0
Beryllium, Total	2347918	0.192	0.192	ND	0.200	70.0 - 130	96.0	96.0	mg/L	0	20.0
Cadmium, Total	2347918	0.237	0.235	ND	0.250	70.0 - 130	94.8	94.0	mg/L	0.847	20.0
Copper, Total	2347918	0.550	0.539	0.0736	0.500	70.0 - 130	95.3	93.1	mg/L	2.34	20.0
Nickel, Total	2347918	0.488	0.483	0.0118	0.500	70.0 - 130	95.2	94.2	mg/L	1.06	20.0
Selenium, Total	2347918	0.508	0.506	0.00218	0.500	70.0 - 130	101	101	mg/L	0.396	20.0
Silver, Total	2347918	0.0875	0.0868	ND	0.100	70.0 - 130	87.5	86.8	mg/L	0.803	20.0
Zinc, Total	2347918	0.501	0.498	0.037	0.500	70.0 - 130	92.8	92.2	mg/L	0.649	20.0

Analytical Set

1145166

EPA 6010C

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Calcium (SAR Extracted)	1145166	ND	0.0156	0.500	mg/L	126949124
Magnesium (SAR Extracted)	1145166	ND	0.00367	0.500	mg/L	126949124
Sodium (SAR Extracted)	1145166	0.0169	0.0139	0.500	mg/L	126949124

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	126949098
Calcium (SAR Extracted)	24.5	25.0	mg/L	98.0	90.0 - 110	126949099
Calcium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	126949121
Calcium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	126949127
Magnesium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126949098
Magnesium (SAR Extracted)	24.9	25.0	mg/L	99.6	90.0 - 110	126949099
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126949121
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126949127
Sodium (SAR Extracted)	24.2	25.0	mg/L	96.8	90.0 - 110	126949098
Sodium (SAR Extracted)	24.3	25.0	mg/L	97.2	90.0 - 110	126949099
Sodium (SAR Extracted)	24.2	25.0	mg/L	96.8	90.0 - 110	126949121
Sodium (SAR Extracted)	24.2	25.0	mg/L	96.8	90.0 - 110	126949127

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Calcium (SAR Extracted)	2347515	1030	1060	mg/L	2.87	20.0
Magnesium (SAR Extracted)	2347515	2.62	2.68	mg/L	2.26	20.0
Sodium (SAR Extracted)	2347515	106	113	mg/L	6.39	20.0

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	50.6	50.0	mg/L	101	95.0 - 105	126949092
Magnesium (SAR Extracted)	50.6	50.0	mg/L	101	95.0 - 105	126949092
Sodium (SAR Extracted)	52.0	50.0	mg/L	104	95.0 - 105	126949092

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# QUALITY CONTROL



## AZM3-R

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### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	25.9	25.0	mg/L	104	90.0 - 110	126949096
Magnesium (SAR Extracted)	25.8	25.0	mg/L	103	90.0 - 110	126949096
Sodium (SAR Extracted)	25.4	25.0	mg/L	102	90.0 - 110	126949096

Analytical Set

1145263

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1144906	ND	0.00171	0.00171	mg/L	126951376
Antimony, Total	1144906	ND	0.00376	0.00376	mg/L	126951376
Chromium, Total	1144906	ND	0.000621	0.001	mg/L	126951376
Lead, Total	1144906	ND	0.000244	0.001	mg/L	126951376
Thallium, Total	1144906	ND	0.000106	0.001	mg/L	126951376

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.051	0.05	mg/L	102	90.0 - 110	126951318
Aluminum, Total	0.0501	0.05	mg/L	100	90.0 - 110	126951328
Aluminum, Total	0.0449	0.05	mg/L	89.8	90.0 - 110	126951338
Aluminum, Total	0.0545	0.05	mg/L	109	90.0 - 110	126951348
Aluminum, Total	0.0509	0.05	mg/L	102	90.0 - 110	126951359
Aluminum, Total	0.0518	0.05	mg/L	104	90.0 - 110	126951370
Aluminum, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126951380
Aluminum, Total	0.0515	0.05	mg/L	103	90.0 - 110	126951391
Aluminum, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126951399
Aluminum, Total	0.0504	0.05	mg/L	101	90.0 - 110	126951409
Aluminum, Total	0.0513	0.05	mg/L	103	90.0 - 110	126951417
Aluminum, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126951427
Antimony, Total	0.0518	0.05	mg/L	104	90.0 - 110	126951318
Antimony, Total	0.0509	0.05	mg/L	102	90.0 - 110	126951370
Antimony, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126951380
Antimony, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126951391
Antimony, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126951398
Antimony, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	126951399
Chromium, Total	0.0505	0.05	mg/L	101	90.0 - 110	126951318
Chromium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126951328
Chromium, Total	0.0448	0.05	mg/L	89.6	90.0 - 110	126951338
Chromium, Total	0.053	0.05	mg/L	106	90.0 - 110	126951348
Chromium, Total	0.051	0.05	mg/L	102	90.0 - 110	126951370
Chromium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126951380
Chromium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126951391
Chromium, Total	0.050	0.05	mg/L	100	90.0 - 110	126951398
Chromium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126951399
Chromium, Total	0.0546	0.05	mg/L	109	90.0 - 110	126951408
Chromium, Total	0.050	0.05	mg/L	100	90.0 - 110	126951409
Chromium, Total	0.0521	0.05	mg/L	104	90.0 - 110	126951417

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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

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Project  
1122862

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### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chromium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126951427
Chromium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126951449
Chromium, Total	0.0501	0.05	mg/L	100	90.0 - 110	126951459
Chromium, Total	0.053	0.05	mg/L	106	90.0 - 110	126951465
Lead, Total	0.0527	0.05	mg/L	105	90.0 - 110	126951318
Lead, Total	0.0536	0.05	mg/L	107	90.0 - 110	126951348
Lead, Total	0.0507	0.05	mg/L	101	90.0 - 110	126951359
Lead, Total	0.054	0.05	mg/L	108	90.0 - 110	126951370
Lead, Total	0.0513	0.05	mg/L	103	90.0 - 110	126951380
Lead, Total	0.0534	0.05	mg/L	107	90.0 - 110	126951391
Lead, Total	0.0535	0.05	mg/L	107	90.0 - 110	126951398
Lead, Total	0.0518	0.05	mg/L	104	90.0 - 110	126951399
Lead, Total	0.0534	0.05	mg/L	107	90.0 - 110	126951409
Lead, Total	0.0551	0.05	mg/L	110	90.0 - 110	126951417
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126951427
Thallium, Total	0.0513	0.05	mg/L	103	90.0 - 110	126951318
Thallium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126951328
Thallium, Total	0.0533	0.05	mg/L	107	90.0 - 110	126951370
Thallium, Total	0.0507	0.05	mg/L	101	90.0 - 110	126951380
Thallium, Total	0.0526	0.05	mg/L	105	90.0 - 110	126951391
Thallium, Total	0.0527	0.05	mg/L	105	90.0 - 110	126951398
Thallium, Total	0.0511	0.05	mg/L	102	90.0 - 110	126951399
Thallium, Total	0.0526	0.05	mg/L	105	90.0 - 110	126951409
Thallium, Total	0.054	0.05	mg/L	108	90.0 - 110	126951417
Thallium, Total	0.048	0.05	mg/L	96.0	90.0 - 110	126951427

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Aluminum, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126951311
Antimony, Total	0.0502	0.05	mg/L	100	90.0 - 110	126951311
Chromium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126951311
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	126951311
Thallium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126951311

### LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Aluminum, Total	1144906	0.498	0.537	0.500	85.0 - 115	99.6	107	mg/L	7.54	20.0
Antimony, Total	1144906	0.458	0.491	0.500	85.0 - 115	91.6	98.2	mg/L	6.95	20.0
Chromium, Total	1144906	0.490	0.534	0.500	85.0 - 115	98.0	107	mg/L	8.59	20.0
Lead, Total	1144906	0.544	0.564	0.500	85.0 - 115	109	113	mg/L	3.61	20.0
Thallium, Total	1144906	0.536	0.563	0.500	85.0 - 115	107	113	mg/L	4.91	20.0

### MRL Check

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lead, Total	0.000987	0.001	mg/L	98.7	25.0 - 175	126951312

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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
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*Project*  
**1122862**

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## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Aluminum, Total	2347516	1.85	1.71	1.18	0.500	70.0 - 130	134 *	106	mg/L	23.3 *	20.0
Antimony, Total	2347516	0.537	0.485	ND	0.500	70.0 - 130	107	97.0	mg/L	10.2	20.0
Chromium, Total	2347516	0.582	0.525	0.00138	0.500	70.0 - 130	116	105	mg/L	10.3	20.0
Lead, Total	2347516	0.585	0.547	0.000313	0.500	70.0 - 130	117	109	mg/L	6.72	20.0
Thallium, Total	2347516	0.581	0.532	ND	0.500	70.0 - 130	116	106	mg/L	8.81	20.0
Antimony, Total	2347918	0.497	0.525	ND	0.500	70.0 - 130	99.4	105	mg/L	5.48	20.0
Chromium, Total	2347918	0.530	0.573	0.0016	0.500	70.0 - 130	106	114	mg/L	7.82	20.0
Lead, Total	2347918	0.586	0.622	0.0182	0.500	70.0 - 130	114	121	mg/L	6.15	20.0
Thallium, Total	2347918	0.552	0.586	ND	0.500	70.0 - 130	110	117	mg/L	5.98	20.0

Analytical Set

1145289

SM 3500-Cr B-2011

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Hexavalent Chromium	1145289	0.768	0.550	3.00	ug/L	126951983
Hexavalent Chromium	1145289	ND	0.550	3.00	ug/L	126951995
Hexavalent Chromium	1145289	1.27	0.550	3.00	ug/L	126951998

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Hexavalent Chromium	85.2	80.0	ug/L	106	90.0 - 110	126951984
Hexavalent Chromium	86.4	80.0	ug/L	108	90.0 - 110	126951996
Hexavalent Chromium	85.2	80.0	ug/L	106	90.0 - 110	126951999

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	1145289	85.7	84.7	80.0	85.0 - 115	107	106	ug/L	1.17	15.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	2347710	71.4	69.9	ND	80.0	70.0 - 130	89.2	87.4	ug/L	2.12	20.0

Analytical Set

1145605

EPA 245.7 2

## AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Mercury, Total (low level)	3.86	5	ng/L	77.2	70.0 - 130	126959666

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Mercury, Total (low level)	1145529	ND	1.20	5.00	ng/L	126959669

## CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Mercury, Total (low level)	1145529	ND	1.20	5.00	ng/L	126959668
Mercury, Total (low level)	1145529	2.01	1.20	5.00	ng/L	126959680
Mercury, Total (low level)	1145529	ND	1.20	5.00	ng/L	126959692
Mercury, Total (low level)	1145605	ND	1.20	5.00	ng/L	126959710

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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
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**1122862**

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	26.1	25	ng/L	104	87.0 - 113	126959667
Mercury, Total (low level)	26.2	25	ng/L	105	87.0 - 113	126959679
Mercury, Total (low level)	25.5	25	ng/L	102	87.0 - 113	126959691
Mercury, Total (low level)	22.0	25	ng/L	88.0	87.0 - 113	126959700
Mercury, Total (low level)	24.8	25	ng/L	99.2	87.0 - 113	126959709

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50	ng/L	0	90.0 - 110	126959664

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	25.9	25	ng/L	104	90.0 - 110	126959665

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1145529	23.0	22.0	25.0	76.0 - 115	92.0	88.0	ng/L	4.44	50.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2347525	24.1	23.8	ND	26.6	63.0 - 111	90.6	89.5	ng/L	1.25	18.0
Mercury, Total (low level)	2348669	25.1	25.4	2.82	26.6	63.0 - 111	83.8	84.9	ng/L	1.34	18.0

Analytical Set 1144937

SM 2510 B-2011

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Lab Spec. Conductance at 25 C	1144937	0.981			umhos/cm	126944325

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Lab Spec. Conductance at 25 C	2347758	770	770	umhos/cm	0	20.0
Lab Spec. Conductance at 25 C	2347769	774	776	umhos/cm	0.258	20.0

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lab Spec. Conductance at 25 C	12900	12900	umhos/cm	100	90.0 - 110	126944328

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Lab Spec. Conductance at 25 C	1144937	1420	1410	umhos/cm	101	90.0 - 110	126944326
Lab Spec. Conductance at 25 C	1144937	94.1	100	umhos/cm	94.1	90.0 - 110	126944327
Lab Spec. Conductance at 25 C	1144937	1420	1410	umhos/cm	101	90.0 - 110	126944340
Lab Spec. Conductance at 25 C	1144937	1410	1410	umhos/cm	100	90.0 - 110	126944349

Analytical Set 1145042

SM 5220 D-2011

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
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# QUALITY CONTROL



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AZM3-R

Azteca Milling, LP  
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Project  
1122862

Printed 11/04/2024

Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Chemical Oxygen Demand	1145042	ND	20.0	20.0	mg/L	126946499					
CCV											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Chemical Oxygen Demand		386	400	mg/L	96.5	90.0 - 110	126946500				
Duplicate											
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>			
Chemical Oxygen Demand	2347081		20.4	20.4		mg/L	0	20.0			
Chemical Oxygen Demand	2347710		ND	ND		mg/L		20.0			
LCS											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>			
Chemical Oxygen Demand	1145042	202		200	mg/L	101	90.0 - 110	126946501			
Analytical Set		1145853				SM 4500-P E-2011					
AWRL/LOQ C											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Phosphorus (as P), total		0.0559	0.060	mg/L	93.2	70.0 - 130	126966845				
Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Phosphorus (as P), total	1145853	ND	0.00311	0.030	mg/L	126966844					
CCV											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Phosphorus (as P), total		0.282	0.300	mg/L	94.0	90.0 - 110	126966846				
Phosphorus (as P), total		0.283	0.300	mg/L	94.3	90.0 - 110	126966861				
Phosphorus (as P), total		0.281	0.300	mg/L	93.7	90.0 - 110	126966976				
LCS Dup											
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>		<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Phosphorus (as P), total	1145853	0.298	0.298		0.300	80.0 - 120	99.3	99.3	mg/L	0	20.0
MSD											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Phosphorus (as P), total	2347694	0	0.258	0.117	0.300	100 - 100	*	86.2 *	mg/L		20.0
Phosphorus (as P), total	2348371	0.241	0.243	0.109	0.300	70.0 - 130	44.0 *	44.7 *	mg/L	1.50	20.0

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); ICV - Initial Calibration Verification; MRL Check - Minimum Reporting Limit Check Std; MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

Email: Kilgore.ProjectManagement@spilabs.com



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1122862 CoC Print Group 001 of 002

**FedEx Express** *Package US Airbill* FedEx Tracking Number **8094 11**

**1 From**  
Date \_\_\_\_\_  
Sender's Name \_\_\_\_\_ Phone \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

**2 Your Internal Billing Reference**

**3 To**  
Recipient's Name \_\_\_\_\_ Phone \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite \_\_\_\_\_  
Address \_\_\_\_\_  
Use this line for the HOLD location address or for continuation of your shipping address.  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

**ORIGIN ID: HRLA (555) 555-5555**  
ANA LAB / REV  
2401 VILLAGE DR STE C  
BROWNSVILLE, TX 78521  
UNITED STATES US

**SHIP DATE: 23OCT24**  
ACTWGT: 66.85 LB  
CAD#: 6994257/9SFE2541  
DIM3: 24x14x13 IN  
BILL THIRD PARTY

**TO LOGIN**  
**SPL**  
2600 DUDL Date 10/24 Time 1:00  
Temp: \_\_\_\_\_ Therm#: 6443 Corr Fact: 0.1 C  
KILGORE T (555) 555-5555

**TRK# 8094 1179 2784**  
**THU - 24 OCT 10:30A**  
**PRIORITY OVERNIGHT**  
**XS GGGA**  
**75662**  
TX-US SHV

**Signature**  
available at recipient's address at a neighboring city for delivery. For business only.

**Obtain recip. Acct. No.** ☐  
**Cash/Check** ☐

**644**

**8094 1179 2784**



1122862 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ In Routine TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

Printed 10/22/2024 Page 1 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
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**AZM3-R  
102**

Lab Number 23617515  
PO Number \_\_\_\_\_ Mandatory 4501126749  
Phone \_\_\_\_\_ 956/383-4911

## Permit Renew

☒ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

\* Unable to filter sample on site because too high Solids

Sample Collection Start

Date: 10/23/24 Time: 9:25

Sampler Printed Name: Jal Manjary

Sampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Please filter sample on Lab for Diss. Metals.

Jm2

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☐ On Site Testing

Click Field C12 Check for CNa

Field C12 Check for CNa

Collected By Jm2 Date 10/23/24 Time 9:25 Analyzed By Jm2 Date 10/23/24 Time 9:38

Results Neg Units - Temp. - C Duplicate Neg Units - Temp. - C  
R1 0.0 R2 0.0 QC R1 0.0 QC R2 0.00

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

Hex Cr, Field Preservation

Collected By Jm2 Date 10/23/24 Time 9:25 Analyzed By Jm2 Date 10/23/24 Time 9:25

\* Taken directly preserved bottle

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Jm2



1122862 CoC Print Group 001 of 002

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Office: 903-984-0551 \* Fax: 903-984-5914



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Page 2 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

**AZM3-R**  
**102**

## Dissolved Oxygen Onsite

Collected By JM2 Date 10/23/24 Time 9:25 Analyzed By JM2 Date 10/23/24 Time 9:32  
Results 0.57 Units mg/L Temp. 58.9° C Duplicate 0.50 Units mg/L Temp. 58.9° C

**NELAC Short Hold** pH pH (Onsite) SM 4500-H+ B-2011 (0.0104 days)  
pH (Onsite)

Collected By JM2 Date 10/23/24 Time 9:25 Analyzed By JM2 Date 10/23/24 Time 9:30  
Results 11.11 Units 5.0 Temp. 58.9° C Duplicate 11.07 Units 5.0 Temp. 58.9° C

## S2Ck Field Sulfide Check for CNa

### Field Sulfide Check for CNa

Collected By JM2 Date 10/23/24 Time 9:25 Analyzed By JM2 Date 10/23/24 Time 9:40  
Results Neg Units — Temp. — C Duplicate — Units — Temp. — C  
R1 — R2 — QC R1 — QC R2 —

**NELAC Short Hold** Temp Temperature (onsite) SM 2550 B - 2010 (0.0104 days)  
Temperature (onsite)

Collected By JM2 Date 10/23/24 Time 9:25 Analyzed By JM2 Date 10/23/24 Time 9:30  
Results 58.9° Units °C Duplicate 58.9 Units °C

2 H2SO4 to pH <2 GIQt w/Tef-lined lid



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# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

HEM Oil and Grease (HEM)

EPA 1664B (HEM) (28.0 days)

## 1 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid

NELAC

TOCL Total Organic Carbon

SM 5310 C-2014 (28.0 days)

## 1 Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC Short Hold

BODc BOD Carbonaceous

SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)

SARL Sodium Adsorption Ratio - Liquid

600/2-78-054 3.2.19 (5.00 days)

NELAC

TSS Total Suspended Solids

SM 2540 D-2015 (7.00 days)

## 0 Z -- No bottle required

NELAC Short Hold

Cr+3 Trivalent Chromium

Calculation CAS:16065-83-1 (1.00 days)

GTMS Transfer to ICP/MS

HgKt LL Mercury Test Prep

P150 Pickup/Sampling/Transport

## 1 HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC

\*AgM Silver, Total

EPA 200.8 5.4 CAS:7440-22-4 (180 days)

NELAC

\*AlM Aluminum, Total

EPA 200.8 5.4 CAS:7429-90-5 (180 days)

NELAC

\*AsM Arsenic, Total

EPA 200.8 5.4 CAS:7440-38-2 (180 days)

NELAC

\*BaM Barium, Total

EPA 200.8 5.4 CAS:7440-39-3 (180 days)

NELAC

\*BeM Beryllium, Total

EPA 200.8 5.4 CAS:7440-41-7 (180 days)

NELAC

\*BM Boron

EPA 200.7 4.4 CAS:7440-42-8 (180 days)

NELAC

\*CdM Cadmium, Total

EPA 200.8 5.4 CAS:7440-43-9 (180 days)

NELAC

\*CrM Chromium, Total

EPA 200.8 5.4 CAS:7440-47-3 (180 days)

NELAC

\*CuM Copper, Total

EPA 200.8 5.4 CAS:7440-50-8 (180 days)

NELAC

\*NiM Nickel, Total

EPA 200.8 5.4 CAS:7440-02-0 (180 days)

NELAC

\*PbM Lead, Total

EPA 200.8 5.4 CAS:7439-92-1 (180 days)

NELAC

\*SbM Antimony, Total

EPA 200.8 5.4 CAS:7440-36-0 (180 days)

NELAC

\*SeM Selenium, Total

EPA 200.8 5.4 CAS:7782-49-2 (180 days)



1122862 CoC Print Group 001 of 002

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Page 4 of 5

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

NELAC	*TIM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

### 1 HNO3 to pH <2 Polyethylene 250 mL/AFTER filtration

NELAC	*CaD	Dissolved Calcium	EPA 200.7, Rev. 4.4 CAS:7440-70-2 (5.00 days)
NELAC	*MgD	Dissolved Magnesium	EPA 200.7, Rev. 4.4 CAS:7439-95-4 (5.00 days)
NELAC	*NaD	Dissolved Sodium	EPA 200.7, Rev. 4.4 CAS:7440-23-5 (5.00 days)

### 2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NH4N	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
NELAC	TPWB	Phosphorus (as P), total	SM 4500-P E-2011 CAS:7723-14-0 (28.0 days)

### 1 Glass Qt

	*SAR	Sodium Adsorption Ratio Extract	(180 days)
--	------	---------------------------------	------------

### 1 Glass /clean metals w/HCl

NELAC	*Hgl	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	2451	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

### 1 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	CNa	Cyanide, total	SM 4500-CN <sup>-</sup> E-2016 (14.0 days)
-------	-----	----------------	--

### 1 Polyethylene Quart

NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	FIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	IN3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	CONL	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)



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Page 5 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
**Short Hold**

**AZM3-R**  
**102**

NELAC

DMF

Dissolved Metals Filtering

SM 3030 B-2004 (0.0104 days)

TDS

Total Dissolved Solids

SM 2540 C-2015 (7.00 days)

**1** **Cr+6 Preserved 250 Polyethylene**

NELAC **Short Hold**

Cr+6

Hexavalent Chromium

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished		Received	
10/13/24	1713	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	Affiliation	Signature	Affiliation
10/24/24	1000	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	Affiliation	Signature	Affiliation
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature	Affiliation	Signature	Affiliation
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature	Affiliation	Signature	Affiliation

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000321.

Comments



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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Lab Number 2347522  
PO Number Mandatory 4501288570  
Phone 956/383-4911

### Permit Renew - FC

☒ Hand Delivered by Client to Region or LAB

**Fecal Coliform subcontracted to CC Water Utilities Laboratory**  
**Matrix: Non-Potable Water**

Sample Collection Start

Date: 10/23/24 Time: 9:25

Sampler Printed Name: Juan Martinez

Sampler Affiliation: SPL

Sampler Signature: [Signature]

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☐ On Site Testing

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By JM2 Date 10/23/24 Time 9:25 Analyzed By JM2 Date 10/23/24 Time 9:38

Results ND Units S.U Temp. 58.9° C Duplicate ND Units S.U Temp. 58.9° C

R1 0.0 R2 0.0 QCR1 0.0 QCR2 0.0

☐ Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized

Subcontract

FCR

Fecal Coliform - RGV region

Subcontract CAS:CCWU

Ambient Conditions/Comments

*Sample sent to Sub Lab: Corpus Christi Water Utility Lab*



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78401 Page 41 of 46

1122862 CoC Print Group 001 of 002

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Office: 903-984-0551 \* Fax: 903-984-5914



# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

AZM3-R  
103

Date	Time	Relinquished		Received	
10/23/24		Printed Name	Affiliation	Printed Name	Affiliation
		Signature	SPL	Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	

Sample Received on Ice? ☐ Yes ☐ No

Cooler/Sample Secure? ☐ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



1122862 CoC Print Group 001 of 002

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Office: 903-984-0551 \* Fax: 903-984-5914

DUPLICATE \$ 0.00 TT  
SUB:  
ALL CLIENT COPY ON SINGLE  
PROJECT? YES NO



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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**112**

Lab Number 2347525  
PO Number Mandatory 4501288570  
Phone 956/383-4911

### Hg Field Blank

☒ Hand Delivered by Client to Region or LAB

#### Matrix: Non-Potable Water

Sample Collection Start

Date: 10/23/24 Time: 9:20

Sampler Printed Name: Juan Martinez

Sampler Affiliation: SPL

Sampler Signature: [Signature]

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ **1** Glass /clean metals w/HCl

NELAC

\*Hg1 Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

2451 Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

☒ **1** Glass/clean metals/Field Blank

LHgF L.L. Mercury Field Blank Prep

CAS:7439-97-6 (28.0 days)

#### Ambient Conditions/Comments

Date	Time	Relinquished	Received
10/23/24	17:30	Printed Name <u>Juan Martinez</u> Affiliation <u>SPL</u>	Printed Name <u>FedEx</u> Affiliation <u></u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
10/23/24	18:00	Printed Name <u>[Signature]</u> Affiliation <u>SPL</u>	Printed Name <u>Ashley Vasquez - SPL, Inc.</u> Affiliation <u></u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
		Printed Name <u></u> Affiliation <u></u>	Printed Name <u></u> Affiliation <u></u>
		Signature <u></u>	Signature <u></u>
		Printed Name <u></u> Affiliation <u></u>	Printed Name <u></u> Affiliation <u></u>
		Signature <u></u>	Signature <u></u>





1122862 CoC Print Group 001 of 002

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Page 2 of 2

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

AZM3 -R  
112

Sample Received on Ice?

☐ Yes☐ No

Cooler/Sample Secure?

☐ Yes☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

**Comments**

1122862 CoC Print Group 002 of 002

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Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_ LE  
ALL CLIENT C \_\_\_\_\_ NO  
PROJECT? \_\_\_\_\_



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# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Lab Number 23417527  
PO Number \_\_\_\_\_ Mandatory 4501288570  
Phone \_\_\_\_\_ 956/383-4911

## Hg Trip Blank

☒ Hand Delivered by Client to Region or LAB

### Matrix: Non-Potable Water

Sample Collection Start

Date: 10/23/24 Time: 9:22

Sampler Printed Name: Joel Manjane

Sampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ Glass /clean metals w/HCl

NELAC

\*Hg1 Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

2451 Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

☒ Glass /clean metals/Trip Blank

LHG1 L.L. Mercury Trip Blank Prep

CAS:7439-97-6 (28.0 days)

### Ambient Conditions/Comments

Date	Time	Relinquished	Received
10/23/24	17:30	Printed Name <u>Joel Manjane</u> Affiliation <u>SPL</u>	Printed Name <u>Fede</u> Affiliation _____
		Signature _____	Signature _____
10/24/24	1000	Printed Name _____ Affiliation _____	Printed Name <u>Ashley Vasquez - SPL, Inc.</u> Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____



1122862 CoC Print Group 002 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Sample Received on Ice? ☐ Yes ☐ No  
Cooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

*The accredited column designates accreditation by A - A2LA, N - NELAP, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.*

Comments





City of Corpus Christi  
Water Utilities Laboratory  
13101 Leopard Street  
361-826-1200 Fax: 361-242-9131

## Analytical Report



<b>Client Info</b> SPL-INC 2600 Dudley Rd. Kilgore, TX 75662				<b>Report# /Lab ID#:</b> AC43050 <b>Sample Name:</b> PERMIT RENEW <b>Date Received:</b> 10/23/2024 <b>Date Sampled:</b> 10/23/2024 <b>Report Date:</b> 10/24/24 <b>Time:</b> 13:51 <b>Time:</b> 09:25				
<b>Phone:</b>				<b>EMAIL:</b> Kilgore.Projectmanagement@spla				
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL's</b>	<b>Date/Time Analyzed</b>	<b>Method</b>	<b>Analyst</b>	<b>Analysis Comments</b>
Fecal Coliform MPN	<10.0	MPN	D		10/23/24 15:03	Colliert 18	MONICAS	
<b>Sample Comments:</b>								

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:
  - N=Analysis not performed as per client request. H=Sample exceeded holding time. P=Analysis is from an unpreserved sample. J=Value reported is less than the RL but greater than the MDL .
  - X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. LA=Lab accident. LE=Lab error. OA=Outside the scope of the lab's NELAC accreditation.
  - U=Unsuitable; sample turned turbid after incubation. T=Sample below temp requirement; not on ice. EQ=Equipment failure. I=Information on sample bottle and COC does not match.
  - S=Slow to filter; sample contains floc and/or large amount of residue on filter. O=Analysis performed by an outside NELAC accredited lab; O\*=Analysis flagged by outside laboratory.
  - Z=Too many colonies present to provide a result (TNTC). A=Value reported is the mean of two or more determinations. R=Reagent water contamination suspected. B=Sample broken in transit.
  - NI=Not analyzed due to interferences. K=BOD result estimated due to blank exceeding the allowable oxygen depletion. D=Sample dilution required for analysis/ quality control.
  - SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. QB=No QC data assigned to sample; sample result not affected.
  - EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
  - EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
  - E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

**SPL LABS**

Client Name: \_\_\_\_\_ SPL LABS  
Address: \_\_\_\_\_ 2600 Dudley Rd.  
City: \_\_\_\_\_ Kilgore \_\_\_\_\_ State: TX Zip: 75662  
Phone: (903) 984-0551 Fax: (903) 984-5914

send email to: [info@projectmanagement.splabs.com](mailto:info@projectmanagement.splabs.com)

cc: joel.manjarrez@spllabs.com

AZM3

City of  
Corpus  
Christi

**Water Utilities Laboratory**  
13101 Leopard St.  
Corpus Christi, TX 78410  
Ph: (361) 826-1200  
Fax: (361) 242-9131

[illegible]

Relinquished By:	Date:	Time:	Special Instructions/Comments:
Received By: <i>[Signature]</i>	10-23-24	9:25	Other *
Relinquished By: <i>[Signature]</i> Frank Gomez III - SPL, Inc.	10-23-24	1351	
Received By: <i>[Signature]</i> Frank Gomez III - SPL, Inc.	10/23/24	1351	
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	



Project  
1123636

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024  
12:35

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# SAMPLE CROSS REFERENCE

Project

1123636

Printed 11/11/2024 Page 1 of 5

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2350294	Permit Renew	10/30/2024	09:45:00	10/31/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 8 oz Plastic H2SO4 pH < 2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
 Bottle 11 250 ml unpreserved HDPE  
 Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 13 HNO3 to pH <2 Polyethylene 250 mL for Metals  
 Bottle 14 Cr+6 Preserved 250 Polyethylene  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1145585) Volume: 6.00000 mL <== Derived from 05 ( 6 ml )  
 Bottle 17 BOD Titration Beaker A (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Analytical Beaker B (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Titration Beaker A (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 BOD Analytical Beaker B (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1145707) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
 Bottle 22 Prepared Bottle: ICP Preparation for Metals (Batch 1145796) Volume: 50.00000 mL <== Derived from 13 ( 50 ml )  
 Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1145906) Volume: 20.00000 mL <== Derived from 05 ( 20 ml )  
 Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 25 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: SAR extraction  
 Bottle 28 Prepared Bottle: SAR extraction  
 Bottle 29 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1145794	10/31/2024	1145794	10/31/2024
EPA 300.0 2.1	01	1146239	11/04/2024	1146239	11/04/2024
EPA 200.8 5.4	22	1145796	11/01/2024	1145899	11/01/2024
EPA 200.8 5.4	22	1145796	11/01/2024	1146846	11/07/2024
EPA 200.8 5.4	22	1145796	11/01/2024	1146168	11/04/2024
EPA 200.7 4.4	22	1145796	11/01/2024	1145838	11/01/2024
EPA 200.7, Rev. 4.4	24	1145920	11/04/2024	1146033	11/04/2024
EPA 215.1	27	1146247	11/05/2024	1146247	11/05/2024
EPA 245.7 2	29	1146619	11/07/2024	1146712	11/07/2024

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# SAMPLE CROSS REFERENCE

Project  
**1123636**

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

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Sample	Sample ID	Taken	Time	Received
2350294	Permit Renew	10/30/2024	09:45:00	10/31/2024

- Bottle 01 Polyethylene 1/2 gal (White)
- Bottle 02 Polyethylene Quart
- Bottle 03 16 oz HNO3 Metals Plastic
- Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)
- Bottle 05 8 oz Plastic H2SO4 pH < 2
- Bottle 06 8 oz Plastic H2SO4 pH < 2
- Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
- Bottle 08 Glass Qt w/Teflon lined lid
- Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
- Bottle 10 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
- Bottle 11 250 ml unpreserved HDPE
- Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber
- Bottle 13 HNO3 to pH <2 Polyethylene 250 mL for Metals
- Bottle 14 Cr+6 Preserved 250 Polyethylene
- Bottle 15 Glass /clean metals w/HCl
- Bottle 16 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1145585) Volume: 6.00000 mL <== Derived from 05 ( 6 ml )
- Bottle 17 BOD Titration Beaker A (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )
- Bottle 18 BOD Analytical Beaker B (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )
- Bottle 19 BOD Titration Beaker A (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )
- Bottle 20 BOD Analytical Beaker B (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )
- Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1145707) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )
- Bottle 22 Prepared Bottle: ICP Preparation for Metals (Batch 1145796) Volume: 50.00000 mL <== Derived from 13 ( 50 ml )
- Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1145906) Volume: 20.00000 mL <== Derived from 05 ( 20 ml )
- Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )
- Bottle 25 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )
- Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )
- Bottle 27 Prepared Bottle: SAR extraction
- Bottle 28 Prepared Bottle: SAR extraction
- Bottle 29 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 242.1	27	1146247	11/05/2024	1146247	11/05/2024
SM 5210 B-2016	01	1145698	11/06/2024	1145698	11/06/2024
SM 5210 B-2016 (TCMP Inhibitor)	01	1145699	11/06/2024	1145699	11/06/2024
SM 4500-CN <sup>-</sup> E-2016	21	1145707	11/01/2024	1146217	11/05/2024
SM 5220 D-2011	05	1146469	11/06/2024	1146469	11/06/2024
SM 2510 B-2011	01	1145682	11/01/2024	1145682	11/01/2024
Calculation			11/07/2024		11/07/2024
SM 3500-Cr B-2011	14	1146485	11/06/2024	1146485	11/06/2024
SM 3500-Cr B-2011		1145586	10/30/2024	1145586	10/30/2024

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# SAMPLE CROSS REFERENCE

Project

1123636

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2350294	Permit Renew	10/30/2024	09:45:00	10/31/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 8 oz Plastic H2SO4 pH < 2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
 Bottle 11 250 ml unpreserved HDPE  
 Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 13 HNO3 to pH <2 Polyethylene 250 mL for Metals  
 Bottle 14 Cr+6 Preserved 250 Polyethylene  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1145585) Volume: 6.00000 mL <== Derived from 05 ( 6 ml )  
 Bottle 17 BOD Titration Beaker A (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Analytical Beaker B (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
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 Bottle 20 BOD Analytical Beaker B (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1145707) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
 Bottle 22 Prepared Bottle: ICP Preparation for Metals (Batch 1145796) Volume: 50.00000 mL <== Derived from 13 ( 50 ml )  
 Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1145906) Volume: 20.00000 mL <== Derived from 05 ( 20 ml )  
 Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 25 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: SAR extraction  
 Bottle 28 Prepared Bottle: SAR extraction  
 Bottle 29 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-O G-2016		1145588	10/30/2024	1145588	10/30/2024
EPA 1664B (HEM)	07	1147025	11/08/2024	1147025	11/08/2024
EPA 350.1 2	16	1145585	10/31/2024	1146321	11/05/2024
EPA 351.2 minus EPA 350.1			11/07/2024		11/07/2024
600/2-78-054 3.2.19			11/05/2024		11/05/2024
SM 2540 C-2015	02	1146475	11/05/2024	1146475	11/05/2024
EPA 351.2 2	23	1145906	11/04/2024	1146637	11/07/2024
SM 5310 C-2014	10	1145991	11/04/2024	1145991	11/04/2024
SM 4500-P E-2011	05	1146656	11/08/2024	1146656	11/08/2024

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SAMPLE CROSS REFERENCE

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1123636

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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11/11/2024

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Sample	Sample ID	Taken	Time	Received
2350294	Permit Renew	10/30/2024	09:45:00	10/31/2024

- Bottle 01 Polyethylene 1/2 gal (White)  
Bottle 02 Polyethylene Quart  
Bottle 03 16 oz HNO3 Metals Plastic  
Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
Bottle 05 8 oz Plastic H2SO4 pH < 2  
Bottle 06 8 oz Plastic H2SO4 pH < 2  
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 08 Glass Qt w/Teflon lined lid  
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
Bottle 10 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)  
Bottle 11 250 ml unpreserved HDPE  
Bottle 12 NaOH to pH >12 Polyethylene 250 mL/amber  
Bottle 13 HNO3 to pH <2 Polyethylene 250 mL for Metals  
Bottle 14 Cr+6 Preserved 250 Polyethylene  
Bottle 15 Glass /clean metals w/HCl  
Bottle 16 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1145585) Volume: 6.00000 mL <== Derived from 05 ( 6 ml )  
Bottle 17 BOD Titration Beaker A (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 18 BOD Analytical Beaker B (Batch 1145699) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 19 BOD Titration Beaker A (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 20 BOD Analytical Beaker B (Batch 1145698) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
Bottle 21 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1145707) Volume: 10.00000 mL <== Derived from 12 ( 5 ml )  
Bottle 22 Prepared Bottle: ICP Preparation for Metals (Batch 1145796) Volume: 50.00000 mL <== Derived from 13 ( 50 ml )  
Bottle 23 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1145906) Volume: 20.00000 mL <== Derived from 05 ( 20 ml )  
Bottle 24 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
Bottle 25 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1145920) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
Bottle 27 Prepared Bottle: SAR extraction  
Bottle 28 Prepared Bottle: SAR extraction  
Bottle 29 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 D-2015	01	1145986	11/01/2024	1145986	11/01/2024
SM 2550 B - 2010		1145590	10/30/2024	1145590	10/30/2024
SM 4500-H+ B-2011		1145589	10/30/2024	1145589	10/30/2024

Sample	Sample ID	Taken	Time	Received
2350296	Permit Renew - FC	10/30/2024	09:45:00	10/31/2024

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
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SAMPLE CROSS REFERENCE

Project  
1123636

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024 Page 5 of 5

Sample	Sample ID	Taken	Time	Received		
2350296	Permit Renew - FC	10/30/2024	09:45:00	10/31/2024		
	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	SM 4500-Cl G-2011		1145598	10/30/2024	1145598	10/30/2024
	Subcontract			10/30/2024		10/30/2024

Sample	Sample ID	Taken	Time	Received
2350298	Hg Field Blank	10/30/2024	09:30:00	10/31/2024

Bottle 01 Glass /clean metals w/HCl  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1146619	11/07/2024	1146712	11/07/2024

Sample	Sample ID	Taken	Time	Received
2350299	Hg Trip Blank	10/30/2024	09:32:00	10/31/2024

Bottle 01 Client supplied HCl Clean Metals Bottle  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1146619) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1146619	11/07/2024	1146712	11/07/2024

Email: Kilgore.ProjectManagement@spllabs.com



AZM3-R

Azteca Milling, LP  
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Edinburg, TX 78541-

Page 1 of 11

Project

1123636

Printed: 11/11/2024

RESULTS

Sample Results

2350294	Permit Renew	Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore	PO:
	Taken: 10/30/2024	09:45:00	4501126749

Prepared:		10/31/2024	13:31:42	Calculated	10/31/2024	13:31:42	CAL
Parameter	Results	Units	RL	Flags	CAS		Bottle
Pickup/Sampling/Transport	Verified						

Prepared:		1145587	10/30/2024	09:55:00	Analyzed	1145587	10/30/2024	09:55:00	JMZ
Parameter	Results	Units	RL	Flags	CAS				Bottle
Field Cl2 Check for CNa	NEG								

Prepared:		1145724	10/30/2024	09:57:00	Analyzed	1145724	10/30/2024	09:57:00	JMZ
Parameter	Results	Units	RL	Flags	CAS				Bottle
Field Sulfide Check for CNa	Negative	mg/L							

Prepared:		11/04/2024	13:56:08	Calculated	11/04/2024	13:56:08	CAL
Parameter	Results	Units	RL	Flags	CAS		Bottle
Sodium Adsorption Ratio - Liquid	1.16	1					

Prepared:		11/05/2024	15:55:46	Calculated	11/05/2024	15:55:46	CAL
Parameter	Results	Units	RL	Flags	CAS		Bottle
Sodium Adsorption Ratio	0.940	1					

Prepared:		11/07/2024	14:01:15	Calculated	11/07/2024	14:01:15	CAL
Parameter	Results	Units	RL	Flags	CAS		Bottle
Trivalent Chromium	<0.015	mg/L	0.015		16065-83-1		

EPA 1664B (HEM)		Prepared: 1147025 11/08/2024 08:16:00		Analyzed 1147025 11/08/2024 08:16:00		MAX	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Oil and Grease (HEM)	7.93	mg/L	4.60	A		07



**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1123636**

Printed: 11/11/2024

**2350294 Permit Renew**

Received: 10/31/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/30/2024

SPL Kilgore  
09:45:00

PO: 4501126749

EPA 200.7 4.4 Prepared: 1145796 11/01/2024 09:30:00 Analyzed 1145838 11/01/2024 13:54:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	<b>Boron</b>	<b>0.503</b>	<b>mg/L</b>	0.040		<b>7440-42-8</b>	22

EPA 200.7, Rev. 4.4 Prepared: 1145920 11/04/2024 07:50:00 Analyzed 1146033 11/04/2024 10:34:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	<b>Dissolved Calcium</b>	<b>1160</b>	<b>mg/L</b>	5.00	P	<b>7440-70-2</b>	24
NELAC	<b>Dissolved Magnesium</b>	<b>&lt;5.00</b>	<b>mg/L</b>	5.00	P	<b>7439-95-4</b>	24
NELAC	<b>Dissolved Sodium</b>	<b>144</b>	<b>mg/L</b>	5.00	P	<b>7440-23-5</b>	24

EPA 200.8 5.4 Prepared: 1145796 11/01/2024 09:30:00 Analyzed 1145899 11/01/2024 18:47:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	<b>Barium, Total</b>	<b>0.202</b>	<b>mg/L</b>	0.002		<b>7440-39-3</b>	22
NELAC	<b>Beryllium, Total</b>	<b>&lt;0.0005</b>	<b>mg/L</b>	0.0005		<b>7440-41-7</b>	22
NELAC	<b>Cadmium, Total</b>	<b>&lt;0.0005</b>	<b>mg/L</b>	0.0005		<b>7440-43-9</b>	22
NELAC	<b>Copper, Total</b>	<b>0.107</b>	<b>mg/L</b>	0.001		<b>7440-50-8</b>	22
NELAC	<b>Lead, Total</b>	<b>0.000812</b>	<b>mg/L</b>	0.0005		<b>7439-92-1</b>	22
NELAC	<b>Nickel, Total</b>	<b>0.017</b>	<b>mg/L</b>	0.001		<b>7440-02-0</b>	22
NELAC	<b>Silver, Total</b>	<b>&lt;0.0002</b>	<b>mg/L</b>	0.0002		<b>7440-22-4</b>	22
NELAC	<b>Thallium, Total</b>	<b>&lt;0.0005</b>	<b>mg/L</b>	0.0005		<b>7440-28-0</b>	22

EPA 200.8 5.4 Prepared: 1145796 11/01/2024 09:30:00 Analyzed 1146168 11/04/2024 19:07:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	<b>Antimony, Total</b>	<b>0.00313</b>	<b>mg/L</b>	0.001		<b>7440-36-0</b>	22
NELAC	<b>Arsenic, Total</b>	<b>0.00273</b>	<b>mg/L</b>	0.0005		<b>7440-38-2</b>	22
NELAC	<b>Chromium, Total</b>	<b>0.0057</b>	<b>mg/L</b>	0.001		<b>7440-47-3</b>	22
NELAC	<b>Selenium, Total</b>	<b>&lt;0.002</b>	<b>mg/L</b>	0.002		<b>7782-49-2</b>	22
NELAC	<b>Zinc, Total</b>	<b>0.0809</b>	<b>mg/L</b>	0.005		<b>7440-66-6</b>	22

EPA 200.8 5.4 Prepared: 1145796 11/01/2024 09:30:00 Analyzed 1146846 11/07/2024 19:06:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	<b>Aluminum, Total</b>	<b>0.373</b>	<b>mg/L</b>	0.0171		<b>7429-90-5</b>	22



AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1123636**

Printed: 11/11/2024

**2350294 Permit Renew**

Received: 10/31/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/30/2024

SPL Kilgore  
09:45:00

PO: 4501126749

EPA 215.1 Prepared: 1146247 11/05/2024 15:00:00 Analyzed 1146247 11/05/2024 15:00:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Calcium (SAR Extracted)	826	mg/L	10.0		7440-70-2	27

EPA 242.1 Prepared: 1146247 11/05/2024 15:00:00 Analyzed 1146247 11/05/2024 15:00:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Magnesium (SAR Extracted)	<10.0	mg/L	10.0		7439-95-4	27

EPA 245.7.2 Prepared: 1146619 11/07/2024 09:00:00 Analyzed 1146712 11/07/2024 11:36:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	29

EPA 300.0 2.1 Prepared: 1145794 10/31/2024 16:44:00 Analyzed 1145794 10/31/2024 16:44:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	228	mg/L	3.00			01
NELAC	Fluoride	5.42	mg/L	1.00			01
NELAC	Nitrate-Nitrogen Total	0.284	mg/L	0.226		14797-55-8	01

EPA 300.0 2.1 Prepared: 1146239 11/04/2024 21:25:00 Analyzed 1146239 11/04/2024 21:25:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Sulfate	326	mg/L	30.0			01

EPA 350.1 2 Prepared: 1145585 10/31/2024 13:22:36 Analyzed 1146321 11/05/2024 06:35:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	6.69	mg/L	0.200			16

EPA 351.2 2 Prepared: 1145906 11/04/2024 06:35:00 Analyzed 1146637 11/07/2024 08:05:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	43.9	mg/L	0.500		7727-37-9	23



AZM3-R

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Azteca Milling, LP  
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Project  
**1123636**

Printed: 11/11/2024

**2350294 Permit Renew**

Received: 10/31/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/30/2024

SPL Kilgore  
09:45:00

PO: 4501126749

EPA 351.2 minus EPA 350.1 Prepared: 11/07/2024 12:01:23 Calculated 11/07/2024 12:01:23 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nitrogen, Total Organic (as N)	37.21	mg/L	0.500			

EPA 6010C Prepared: 1146247 11/05/2024 15:00:00 Analyzed 1146247 11/05/2024 15:00:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Sodium (SAR Extracted)	98.2	mg/L	10.0		7440-23-5	27

Handbook 60 Prepared: 11/05/2024 08:00:00 Analyzed 11/05/2024 08:00:00 RC1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Saturated Water Percentage	Inapp Matrix	(100% Sat)				

SM 2510 B-2011 Prepared: 1145682 11/01/2024 05:25:00 Analyzed 1145682 11/01/2024 05:25:00 BEK

Parameter	Results	Units	RL	Flags	CAS	Bottle
Lab Spec. Conductance at 25 C	7290	umhos/cm				01

SM 2540 C-2015 Prepared: 1146475 11/05/2024 08:15:00 Analyzed 1146475 11/05/2024 08:15:00 JMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Dissolved Solids	9210	mg/L	50.0			02

SM 2540 D-2015 Prepared: 1145986 11/01/2024 10:14:00 Analyzed 1145986 11/01/2024 10:14:00 SRJ

Parameter	Results	Units	RL	Flags	CAS	Bottle
Total Suspended Solids	8180	mg/L	400			01

SM 2550 B - 2010 Prepared: 1145590 10/30/2024 09:50:00 Analyzed 1145590 10/30/2024 09:50:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
Temperature (onsite)	57	Degrees C	1			



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**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1123636**

Printed: 11/11/2024

**2350294 Permit Renew**

Received: 10/31/2024

Non-Potable Water

Collected by: JMZ  
Taken: 10/30/2024

SPL Kilgore  
09:45:00

PO: 4501126749

SM 3500-Cr B-2011 Prepared: 1145586 10/30/2024 09:45:00 Analyzed 1145586 10/30/2024 09:45:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	<0.003	mg/L	0.003		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1146485 11/06/2024 08:30:00 Analyzed 1146485 11/06/2024 08:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<0.015	mg/L	0.015		18540-29-9	14

SM 4500-CN<sup>-</sup> E-2016 Prepared: 1145707 11/01/2024 08:20:15 Analyzed 1146217 11/05/2024 08:32:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			21

SM 4500-H+ B-2011 Prepared: 1145589 10/30/2024 09:45:00 Analyzed 1145589 10/30/2024 09:45:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	11	SU				

SM 4500-O G-2016 Prepared: 1145588 10/30/2024 09:59:00 Analyzed 1145588 10/30/2024 09:59:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	0.69	mg/L	1.0			

SM 4500-P E-2011 Prepared: 1146656 11/08/2024 08:30:00 Analyzed 1146656 11/08/2024 08:30:00 PNR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phosphorus (as P), total	22.9	mg/L	6.00		7723-14-0	05

SM 5210 B-2016 Prepared: 1145698 11/01/2024 Analyzed 1145698 11/06/2024 12:52:17 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	8040	mg/L	750		1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1145699 11/01/2024 Analyzed 1145699 11/06/2024 12:08:36 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1123636

Printed: 11/11/2024

2350294	Permit Renew				Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore		PO:	4501126749	
	Taken: 10/30/2024	09:45:00				

SM 5210 B-2016 (TCMP Inhibitor)		Prepared:	1145699	11/01/2024	Analyzed	1145699	11/06/2024	12:08:36	ESN
Parameter		Results	Units	RL	Flags	CAS	Bottle		
NELAC	BOD Carbonaceous	7030	mg/L	750			01		

SM 5220 D-2011		Prepared: 1146469 11/06/2024 08:00:00		Analyzed 1146469 11/06/2024 08:00:00		PNR	
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle
	Chemical Oxygen Demand	11400	mg/L	400			05

SM 5310 C-2014		Prepared: 1145991 11/04/2024 07:17:00		Analyzed 1145991 11/04/2024 07:17:00		JDK	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Organic Carbon	16.9	mg/L	1.00			10

2350296	Permit Renew - FC				Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore		PO:	4501126749	
	Taken: 10/30/2024	09:45:00				
Fecal Coliform subcontracted to CC Water Utilites Laboratory						

SM 4500-CI G-2011		Prepared: 1145598 10/30/2024 09:45:00		Analyzed 1145598 10/30/2024 09:45:00		JMZ	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Cl2 Res.,Total(Onsite)Spec Mid	<0.05	mg/L	0.05			

Subcontract		Prepared:		10/30/2024	14:34:00	Analyzed	10/30/2024	14:34:00	SUB
Parameter		Results		Units	RL	Flags	CAS	Bottle	
z	Fecal Coliform - RGV region	See Attached					CCWU		

2350298	Hg Field Blank				Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore		PO:	4501126749	
	Taken: 10/30/2024	09:30:00				





AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Edinburg, TX 78541-

Project

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Printed: 11/11/2024

2350298	Hg Field Blank	Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore	PO:
	Taken: 10/30/2024	09:30:00	4501126749

		Prepared:	10/31/2024	14:01:56	Calculated	10/31/2024	14:01:56	CAL
z	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	LL Mercury Field Blank Prep	Verified				7439-97-6		
EPA 245.7 2		Prepared:	1146619	11/07/2024	09:00:00	Analyzed	1146712	11/07/2024
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02	

2350299	Hg Trip Blank	Received:	10/31/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore	PO:
	Taken: 10/30/2024	09:32:00	4501126749

		Prepared:	10/31/2024	14:01:56	Calculated	10/31/2024	14:01:56	CAL
z	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	LL Mercury Trip Blank Prep	Verified				7439-97-6		
EPA 245.7 2		Prepared:	1146619	11/07/2024	09:00:00	Analyzed	1146712	11/07/2024
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02	

Sample Preparation

2350294	Permit Renew	Received:	10/31/2024
			4501126749
	10/30/2024		





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2350294 Permit Renew

Received: 10/31/2024

4501126749

10/30/2024

		Prepared:	10/31/2024	13:31:42	Calculated	10/31/2024	13:31:42	CA		
z	LL Mercury Test Prep	Verified								
		Prepared:	10/31/2024	14:01:56	Calculated	10/31/2024	14:01:56	CA		
z	Environmental Fee (per Project)	Verified								
	600/2-78-054 3.2.19	Prepared:	1146093	11/04/2024	08:50:00	Analyzed	1146093	11/04/2024	08:50:00	JDK
	Sodium Adsorption Ratio Extract	PREPARED/PREP ml								01
		AR								
	EPA 1664B (HEM)	Prepared:	1146930	11/08/2024	08:16:00	Analyzed	1146930	11/08/2024	08:16:00	MA
NELAC	O&G HEM Started	Started								
	EPA 200.2 2.8	Prepared:	1145796	11/01/2024	09:30:00	Analyzed	1145796	11/01/2024	09:30:00	HL
z	Liquid Metals Digestion	50/50	ml							13
	EPA 242.1	Prepared:		11/04/2024	13:56:08	Calculated		11/04/2024	13:56:08	CA
NELAC	Magnesium (SAR) meq/L calculation	<0.416	meq/L	0.416					7439-95-4	
	EPA 245.7 2	Prepared:	1146619	11/07/2024	09:00:00	Analyzed	1146619	11/07/2024	09:00:00	MP
NELAC	Low Level Mercury Liquid Metals	50/47	ml							15
	EPA 273.1	Prepared:		11/04/2024	13:56:08	Calculated		11/04/2024	13:56:08	CA



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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1123636**

Printed: 11/11/2024

**2350294** Permit Renew

Received: 10/31/2024  
4501126749

10/30/2024

EPA 273.1		Prepared:	11/04/2024	13:56:08	Calculated	11/04/2024	13:56:08	CAL		
NELAC	Calcium (SAR) meq/L calculation	58.0	meq/L	0.250	7440-70-2					
EPA 350.2, Rev. 2.0		Prepared:	1145585	10/31/2024	13:22:36	Analyzed	1145585	10/31/2024	13:22:36	MEG
NELAC	Ammonia Distillation	6/6	ml					05		
EPA 351.2, Rev 2.0		Prepared:	1145906	11/04/2024	06:35:00	Analyzed	1145906	11/04/2024	06:35:00	AMB
NELAC	TKN Block Digestion	20/20	ml					05		
EPA 6010C		Prepared:	11/04/2024	13:56:08	Calculated	11/04/2024	13:56:08	CAL		
NELAC	Sodium (SAR) meq/L calculation	6.26	meq/L	0.218	7440-23-5					
SM 2540 C-2015		Prepared:	1146122	11/05/2024	08:15:00	Analyzed	1146122	11/05/2024	08:15:00	JMB
NELAC	Total Dissolved Solids Started	Started								
SM 2540 D-2011		Prepared:	1144667	11/01/2024	10:14:00	Analyzed	1144667	11/01/2024	10:14:00	SRJ
NELAC	TSS Set Started	Started								
SM 3030 B-2004		Prepared:	1145920	11/04/2024	07:50:00	Analyzed	1145920	11/04/2024	07:50:00	ALB
z	Dissolved (Wastewater) Filtering	20/20	ml					02		



2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
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AZM3-R

Azteca Milling, LP  
Juan Martinez  
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Printed: 11/11/2024

2350294	Permit Renew	Received:	10/31/2024
			4501126749
	10/30/2024		

	SM 4500-CN <sup>-</sup> C-2016	Prepared:	1145707	11/01/2024	08:20:15	Analyzed	1145707	11/01/2024	08:20:15	MEG
NELAC	Cyanide Distillation	10/5	ml							12
	SM 5210 B-2016	Prepared:	1145698	11/01/2024		Analyzed	1145698	11/01/2024	06:52:27	ESN
NELAC	BOD Set Started	Started								
	SM 5210 B-2016 (TCMP Inhibitor)	Prepared:	1145699	11/01/2024		Analyzed	1145699	11/01/2024	06:52:27	ESN
NELAC	BODc Set Started	Started								

2350298	Hg Field Blank	Received:	10/31/2024
			4501126749
	10/30/2024		

EPA 245.7.2		Prepared:	1146619	11/07/2024	09:00:00	Analyzed	1146619	11/07/2024	09:00:00	MPI
NELAC	Low Level Mercury Liquid Metals	50/47	ml							01
2350299		Hg Trip Blank				Received:		10/31/2024		
								4501126749		
		10/30/2024								
EPA 245.7.2		Prepared:	1146619	11/07/2024	09:00:00	Analyzed	1146619	11/07/2024	09:00:00	MPI
NELAC	Low Level Mercury Liquid Metals	50/47	ml							01



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## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
1123636

Printed: 11/11/2024

### Qualifiers:

A - Lab pH adjusted per method prior to analysis

P - Spike recovery outside control limits due to matrix effects.

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery, MS, VP Technical Services



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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
1123636

Printed 11/11/2024

Analytical Set 1145698

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1145698	0.1	0.200	0.500	mg/L	126962277
Biochemical Oxygen Demand (BOD5)	1145698	0.1	0.200	0.500	mg/L	126962329
Biochemical Oxygen Demand (BOD5)	1145698	0.1	0.200	0.500	mg/L	126962389

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2350187	21.9	21.2	mg/L	3.25	30.0
Biochemical Oxygen Demand (BOD5)	2350303	32.6	35.9	mg/L	9.64	30.0
Biochemical Oxygen Demand (BOD5)	2350341	17.6	16.7	mg/L	5.25	30.0
Biochemical Oxygen Demand (BOD5)	2350400	33.3	33.7	mg/L	1.19	30.0
Biochemical Oxygen Demand (BOD5)	2350478	7.88	8.16	mg/L	3.49	30.0
Biochemical Oxygen Demand (BOD5)	2350557	4.72	3.20	mg/L	38.4	* 30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1145698	0.753	0.200	0.500	mg/L	126962279
Biochemical Oxygen Demand (BOD5)	1145698	0.730	0.200	0.500	mg/L	126962331
Biochemical Oxygen Demand (BOD5)	1145698	1.12	0.200	0.500	mg/L	126962391

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		219	198	mg/L	111	83.7 - 116	126962280
Biochemical Oxygen Demand (BOD5)		219	198	mg/L	111	83.7 - 116	126962332
Biochemical Oxygen Demand (BOD5)		204	198	mg/L	103	83.7 - 116	126962392

Analytical Set 1145699

SM 5210 B-2016 (TCMP Inhibitor)

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1145699	0.1	0.200	0.500	mg/L	126962407
BOD Carbonaceous	1145699	0.1	0.200	0.500	mg/L	126962457

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2350222	ND	ND	mg/L		30.0
BOD Carbonaceous	2350282	3.47	3.79	mg/L	8.82	30.0
BOD Carbonaceous	2350335	66.8	68.6	mg/L	2.66	30.0
BOD Carbonaceous	2350416	ND	ND	mg/L		30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1145699	0.773	0.200	0.500	mg/L	126962409
BOD Carbonaceous	1145699	0.753	0.200	0.500	mg/L	126962459

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
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Email: Kilgore.ProjectManagement@spilabs.com



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# QUALITY CONTROL



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**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

*Project*

**1123636**

Printed 11/11/2024

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
BOD Carbonaceous		<b>223</b>	<b>198</b>	<b>mg/L</b>	<b>113</b>	<b>83.7 - 116</b>	<b>126962410</b>
BOD Carbonaceous		<b>218</b>	<b>198</b>	<b>mg/L</b>	<b>110</b>	<b>83.7 - 116</b>	<b>126962460</b>

Analytical Set

**1146217**

**SM 4500-CN<sup>-</sup> E-2016**

Blank						
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Cyanide, total	<b>1145707</b>	<b>ND</b>	<b>0.00238</b>	<b>0.005</b>	<b>mg/L</b>	<b>126978054</b>

CCV						
<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	<b>0.501</b>	<b>0.500</b>	<b>mg/L</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126978040</b>
Cyanide, total	<b>0.501</b>	<b>0.500</b>	<b>mg/L</b>	<b>100</b>	<b>90.0 - 110</b>	<b>126978041</b>
Cyanide, total	<b>0.498</b>	<b>0.500</b>	<b>mg/L</b>	<b>99.6</b>	<b>90.0 - 110</b>	<b>126978042</b>
Cyanide, total	<b>0.499</b>	<b>0.500</b>	<b>mg/L</b>	<b>99.8</b>	<b>90.0 - 110</b>	<b>126978048</b>
Cyanide, total	<b>0.499</b>	<b>0.500</b>	<b>mg/L</b>	<b>99.8</b>	<b>90.0 - 110</b>	<b>126978059</b>
Cyanide, total	<b>0.505</b>	<b>0.500</b>	<b>mg/L</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126978070</b>
Cyanide, total	<b>0.505</b>	<b>0.500</b>	<b>mg/L</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126978081</b>
Cyanide, total	<b>0.506</b>	<b>0.500</b>	<b>mg/L</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126978092</b>
Cyanide, total	<b>0.505</b>	<b>0.500</b>	<b>mg/L</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126978094</b>
Cyanide, total	<b>0.505</b>	<b>0.500</b>	<b>mg/L</b>	<b>101</b>	<b>90.0 - 110</b>	<b>126978098</b>

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	<b>2350276</b>	<b>ND</b>	<b>ND</b>	<b>mg/L</b>		<b>20.0</b>

ICV						
<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total	<b>0.207</b>	<b>0.200</b>	<b>mg/L</b>	<b>104</b>	<b>90.0 - 110</b>	<b>126978039</b>

LCS Dup										
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	<b>1145707</b>	<b>0.379</b>	<b>0.383</b>	<b>0.400</b>	<b>90.0 - 110</b>	<b>94.8</b>	<b>95.8</b>	<b>mg/L</b>	<b>1.05</b>	<b>20.0</b>

Mat. Spike							
<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>
Cyanide, total	<b>2350276</b>	<b>0.375</b>	<b>ND</b>	<b>0.400</b>	<b>mg/L</b>	<b>93.8</b>	<b>90.0 - 110</b>

Analytical Set

**1146321**

**EPA 350.1 2**

Blank						
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Ammonia Nitrogen	<b>1145585</b>	<b>0.014</b>	<b>0.00336</b>	<b>0.020</b>	<b>mg/L</b>	<b>126980136</b>

CCV						
<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	<b>2.14</b>	<b>2.00</b>	<b>mg/L</b>	<b>107</b>	<b>90.0 - 110</b>	<b>126980038</b>
Ammonia Nitrogen	<b>2.17</b>	<b>2.00</b>	<b>mg/L</b>	<b>108</b>	<b>90.0 - 110</b>	<b>126980047</b>
Ammonia Nitrogen	<b>2.11</b>	<b>2.00</b>	<b>mg/L</b>	<b>106</b>	<b>90.0 - 110</b>	<b>126980058</b>

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# QUALITY CONTROL



## AZM3-R

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*Project*  
**1123636**

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### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	126980069
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	126980080
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	126980090
Ammonia Nitrogen	2.04	2.00	mg/L	102	90.0 - 110	126980098
Ammonia Nitrogen	2.01	2.00	mg/L	100	90.0 - 110	126980103
Ammonia Nitrogen	2.03	2.00	mg/L	102	90.0 - 110	126980114
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	126980124
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	126980131
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	126980139
Ammonia Nitrogen	1.96	2.00	mg/L	98.0	90.0 - 110	126980149
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	126980160
Ammonia Nitrogen	1.96	2.00	mg/L	98.0	90.0 - 110	126980171
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	126980179
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	126980187
Ammonia Nitrogen	1.90	2.00	mg/L	95.0	90.0 - 110	126980198
Ammonia Nitrogen	1.89	2.00	mg/L	94.5	90.0 - 110	126980206
Ammonia Nitrogen	1.88	2.00	mg/L	94.0	90.0 - 110	126980213
Ammonia Nitrogen	1.86	2.00	mg/L	93.0	90.0 - 110	126980223
Ammonia Nitrogen	1.86	2.00	mg/L	93.0	90.0 - 110	126980233

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	2350215	0.117	0.103	mg/L	12.7	20.0
Ammonia Nitrogen	2350219	0.049	0.061	mg/L	21.8 *	20.0

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	126980037

### LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	1145585	1.95	1.94	2.00	90.0 - 110	97.5	97.0	mg/L	0.514	20.0

### Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Ammonia Nitrogen	2350215	1.96	0.103	2.00	mg/L	92.8	80.0 - 120	126980142
Ammonia Nitrogen	2350219	1.92	0.061	2.00	mg/L	93.0	80.0 - 120	126980145

Analytical Set 1146637

EPA 351.2 2

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Total Kjeldahl Nitrogen	1145906	ND	0.00712	0.050	mg/L	126986599

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen	5.13	5.00	mg/L	103	90.0 - 110	126986563

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# QUALITY CONTROL



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**AZM3-R**

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## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen	5.30	5.00	mg/L	106	90.0 - 110	126986572
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	126986583
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	126986594
Total Kjeldahl Nitrogen	5.32	5.00	mg/L	106	90.0 - 110	126986605
Total Kjeldahl Nitrogen	5.33	5.00	mg/L	107	90.0 - 110	126986614
Total Kjeldahl Nitrogen	5.34	5.00	mg/L	107	90.0 - 110	126986624
Total Kjeldahl Nitrogen	5.30	5.00	mg/L	106	90.0 - 110	126986635
Total Kjeldahl Nitrogen	5.32	5.00	mg/L	106	90.0 - 110	126986646
Total Kjeldahl Nitrogen	5.34	5.00	mg/L	107	90.0 - 110	126986651

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Kjeldahl Nitrogen	2350230	0.614	0.585	mg/L	4.84	20.0
Total Kjeldahl Nitrogen	2350242	0.696	0.609	mg/L	13.3	20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen	5.20	5.00	mg/L	104	90.0 - 110	126986562

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Total Kjeldahl Nitrogen	1145906	5.25	5.45	5.00	90.0 - 110	105	109	mg/L	3.74	20.0

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Total Kjeldahl Nitrogen	2350230	5.86	0.585	5.00	mg/L	106	80.0 - 120	126986604
Total Kjeldahl Nitrogen	2350242	5.62	0.609	5.00	mg/L	100	80.0 - 120	126986608

Analytical Set 1145587

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Cl2 Check for CNa	2350294	Negative	NEG			20

Analytical Set 1145588

SM 4500-O G-2016

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Dissolved Oxygen Onsite	2350294	0.54	0.69	mg/L	24.4	20

Analytical Set 1145589

SM 4500-H+ B-2011

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
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# QUALITY CONTROL



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## AZM3-R

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Project

1123636

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### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
pH (Onsite)	2350294	11	11	SU		20

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	1145589	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1145589	7.9	8.0	SU	98.8	90 - 110	

Analytical Set 1145590

SM 2550 B - 2010

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Temperature (onsite)	2350294	57	57	Degrees C		20

Analytical Set 1145598

SM 4500-CI G-2011

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cl2 Res.,Total(Onsite)Spec Mid	2350296	ND	ND	mg/L		20

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res.,Total(Onsite)Spec Mid	1145598	0.210	0.220	mg/L	95.5	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid	1145598	0.930	0.930	mg/L	100	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid	1145598	1.57	1.58	mg/L	99.4	90 - 110	

Analytical Set 1145724

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Field Sulfide Check for CNa	2350294	Negative	NEGATIVE	mg/L		20

Analytical Set 1145986

SM 2540 D-2015

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1145986	ND	2	2	mg/L	126972226

### ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1145986	-0.0003			grams	126972225

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2350396	5100	5000	mg/L	1.98	20.0
Total Suspended Solids	2350555	10.0	9.00	mg/L	10.5	20.0
Total Suspended Solids	2350561	4.43	6.00	mg/L	30.1 *	20.0

### LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1145986	54.0	50.0	mg/L	108	90.0 - 110	126972259

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# QUALITY CONTROL



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**AZM3-R**

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Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		<b>106</b>	<b>100</b>	<b>mg/L</b>	<b>106</b>	<b>90.0 - 110</b>	<b>126972258</b>

Analytical Set **1146475** SM 2540 C-2015

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Total Dissolved Solids	<b>1146475</b>	<b>ND</b>	<b>5.00</b>	<b>5.00</b>	<b>mg/L</b>		<b>126982843</b>

ControlBlk							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Total Dissolved Solids	<b>1146475</b>	<b>0</b>			<b>grams</b>		<b>126982830</b>

Duplicate							
<u>Parameter</u>	<u>Sample</u>		<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	<b>2350194</b>		<b>320</b>	<b>324</b>	<b>mg/L</b>	<b>1.24</b>	<b>20.0</b>

LCS							
<i><u>Parameter</u></i>	<i>PrepSet</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Total Dissolved Solids	1146475	196	200	mg/L	98.0	85.0 - 115	126982844

Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Dissolved Solids		<b>98.0</b>	<b>100</b>	<b>mg/L</b>	<b>98.0</b>	<b>90.0 - 110</b>	<b>126982831</b>

Analytical Set **1147025** EPA 1664B (HEM)

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Oil and Grease (HEM)	<b>1147025</b>	<b>ND</b>	<b>0.804</b>	<b>4.00</b>	<b>mg/L</b>		<b>126997899</b>

ControlBlk							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Oil and Grease (HEM)	<b>1147025</b>	<b>0.0003</b>			<b>grams</b>		<b>126997898</b>
Oil and Grease (HEM)	<b>1147025</b>	<b>0.0001</b>			<b>grams</b>		<b>126997923</b>

LCS							
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Oil and Grease (HEM)	1147025	32.3	40.0	mg/L	80.8	78.0 - 114	126997900

MS											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Oil and Grease (HEM)	2350615	41.0	0	5.70	40.0	78.0 - 114	88.2		mg/L		20.0

Analytical Set **1145794** EPA 300.0 2.1

AWRL/LOQ C							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Fluoride		<b>0.0786</b>	<b>0.100</b>	<b>mg/L</b>	<b>78.6</b>	<b>70.0 - 130</b>	<b>126964466</b>
Nitrate-Nitrogen Total		<b>0.0225</b>	<b>0.0226</b>	<b>mg/L</b>	<b>99.6</b>	<b>70.0 - 130</b>	<b>126964466</b>

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# QUALITY CONTROL



## AZM3-R

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### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chloride	1145794	ND	0.0298	0.300	mg/L	126964467
Fluoride	1145794	ND	0.0101	0.100	mg/L	126964467
Nitrate-Nitrogen Total	1145794	ND	0.00464	0.0226	mg/L	126964467

### CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chloride	1145794	0	0.0298	0.300	mg/L	126964463
Chloride	1145794	0	0.0298	0.300	mg/L	126964479
Chloride	1145794	0	0.0298	0.300	mg/L	126964495
Fluoride	1145794	0	0.0101	0.100	mg/L	126964463
Fluoride	1145794	0	0.0101	0.100	mg/L	126964479
Fluoride	1145794	0	0.0101	0.100	mg/L	126964495
Nitrate-Nitrogen Total	1145794	0	0.00464	0.0226	mg/L	126964463
Nitrate-Nitrogen Total	1145794	0	0.00464	0.0226	mg/L	126964479
Nitrate-Nitrogen Total	1145794	0	0.00464	0.0226	mg/L	126964495

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	10.5	10.0	mg/L	105	90.0 - 110	126964462
Chloride	10.5	10.0	mg/L	105	90.0 - 110	126964478
Chloride	10.5	10.0	mg/L	105	90.0 - 110	126964494
Fluoride	10.0	10.0	mg/L	100	90.0 - 110	126964462
Fluoride	10.0	10.0	mg/L	100	90.0 - 110	126964478
Fluoride	10.1	10.0	mg/L	101	90.0 - 110	126964494
Nitrate-Nitrogen Total	2.26	2.26	mg/L	100	90.0 - 110	126964462
Nitrate-Nitrogen Total	2.24	2.26	mg/L	99.1	90.0 - 110	126964478
Nitrate-Nitrogen Total	2.24	2.26	mg/L	99.1	90.0 - 110	126964494

### LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	1145794	5.42	5.41	5.00	85.0 - 115	108	108	mg/L	0.185	20.0
Fluoride	1145794	5.70	5.69	5.00	88.0 - 118	114	114	mg/L	0.176	20.0
Nitrate-Nitrogen Total	1145794	1.19	1.19	1.13	86.3 - 117	105	105	mg/L	0	20.0

### MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	2349018	291	274	180	100	80.0 - 120	111	94.0	mg/L	16.6	20.0
Fluoride	2349018	119	121	ND	100	80.0 - 120	119	121 *	mg/L	1.67	20.0
Nitrate-Nitrogen Total	2349018	22.4	22.8	0.307	22.6	80.0 - 120	97.8	99.5	mg/L	1.79	20.0
Chloride	2349537	952	954	872	100	80.0 - 120	80.0	82.0	mg/L	2.47	20.0
Fluoride	2349537	128	127	0.390	100	80.0 - 120	128 *	127 *	mg/L	0.787	20.0
Nitrate-Nitrogen Total	2349537	47.9	47.7	25.3	22.6	80.0 - 120	100	99.1	mg/L	0.889	20.0

Analytical Set 1146239

EPA 300.0 2.1

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
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# QUALITY CONTROL



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**AZM3-R**

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## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Sulfate	1146239	ND	0.160	0.300	mg/L	126978478

## CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Sulfate	1146239	0	0.160	0.300	mg/L	126978474
Sulfate	1146239	0	0.160	0.300	mg/L	126978494
Sulfate	1146239	0	0.160	0.300	mg/L	126978506

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Sulfate	9.57	10.0	mg/L	95.7	90.0 - 110	126978473
Sulfate	9.52	10.0	mg/L	95.2	90.0 - 110	126978493
Sulfate	9.47	10.0	mg/L	94.7	90.0 - 110	126978505

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Sulfate	1146239	4.68	4.66	5.00	85.4 - 124	93.6	93.2	mg/L	0.428	20.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Sulfate	2349850	2820	2780	3070	100	80.0 - 120	-250 *	-290 *	mg/L	1.43	20.0
Sulfate	2349851	1580	1580	1690	100	80.0 - 120	-110 *	-110 *	mg/L	0	20.0

Analytical Set 1145838

EPA 200.7 4.4

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Boron	1145796	0.00287	0.00103	0.008	mg/L	126966359

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	1.00	1.00	mg/L	100	90.0 - 110	126966358
Boron	0.991	1.00	mg/L	99.1	90.0 - 110	126966367

## ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	10.2	10.0	mg/L	102	95.0 - 105	126966356

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	0.987	1.00	mg/L	98.7	90.0 - 110	126966357

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Boron	1145796	0.953	0.966	1.00	85.0 - 115	95.3	96.6	mg/L	1.35	25.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Boron	2350173	1.27	1.27	0.366	1.00	75.0 - 125	90.4	90.4	mg/L	0	25.0

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# QUALITY CONTROL



## AZM3-R

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Analytical Set

1145899

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Barium, Total	1145796	ND	0.000348	0.002	mg/L	126969143
Barium, Total	1145796	ND	0.000348	0.002	mg/L	126969159
Beryllium, Total	1145796	ND	0.0000605	0.0005	mg/L	126969143
Beryllium, Total	1145796	0.00023	0.0000605	0.0005	mg/L	126969159
Cadmium, Total	1145796	ND	0.000095	0.0005	mg/L	126969143
Cadmium, Total	1145796	0.000117	0.000095	0.0005	mg/L	126969159
Copper, Total	1145796	ND	0.0005	0.001	mg/L	126969143
Copper, Total	1145796	0.00062	0.0005	0.001	mg/L	126969159
Lead, Total	1145796	ND	0.00025	0.0005	mg/L	126969143
Lead, Total	1145796	0.00026	0.00025	0.0005	mg/L	126969159
Lead, Total	1145899	ND	0.00025	0.0005	mg/L	126969226
Lead, Total	1145899	ND	0.00025	0.0005	mg/L	126969256
Lead, Total	1145899	ND	0.00025	0.0005	mg/L	126969286
Nickel, Total	1145796	ND	0.0005	0.001	mg/L	126969143
Nickel, Total	1145796	ND	0.0005	0.001	mg/L	126969159
Silver, Total	1145796	ND	0.0000625	0.0002	mg/L	126969143
Silver, Total	1145796	ND	0.0000625	0.0002	mg/L	126969159
Thallium, Total	1145796	ND	0.00025	0.0005	mg/L	126969143
Thallium, Total	1145796	ND	0.00025	0.0005	mg/L	126969159

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Barium, Total	0.0509	0.05	mg/L	102	90.0 - 110	126969158
Barium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126969169
Barium, Total	0.0552	0.05	mg/L	110	90.0 - 110	126969177
Beryllium, Total	0.0516	0.05	mg/L	103	90.0 - 110	126969158
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126969169
Beryllium, Total	0.0549	0.05	mg/L	110	90.0 - 110	126969177
Cadmium, Total	0.0508	0.05	mg/L	102	90.0 - 110	126969158
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126969169
Cadmium, Total	0.0534	0.05	mg/L	107	90.0 - 110	126969177
Copper, Total	0.0518	0.05	mg/L	104	90.0 - 110	126969158
Copper, Total	0.0517	0.05	mg/L	103	90.0 - 110	126969169
Copper, Total	0.0541	0.05	mg/L	108	90.0 - 110	126969177
Copper, Total	0.0506	0.05	mg/L	101	90.0 - 110	126969187
Lead, Total	0.051	0.05	mg/L	102	90.0 - 110	126969158
Lead, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126969169
Lead, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126969177
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126969187
Lead, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126969225
Lead, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126969229
Lead, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126969240
Lead, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126969251

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	126969261
Lead, Total	0.0502	0.05	mg/L	100	90.0 - 110	126969272
Lead, Total	0.0514	0.05	mg/L	103	90.0 - 110	126969283
Lead, Total	0.0504	0.05	mg/L	101	90.0 - 110	126969293
Lead, Total	0.0502	0.05	mg/L	100	90.0 - 110	126969304
Lead, Total	0.0524	0.05	mg/L	105	90.0 - 110	126969315
Nickel, Total	0.0511	0.05	mg/L	102	90.0 - 110	126969158
Nickel, Total	0.0524	0.05	mg/L	105	90.0 - 110	126969169
Nickel, Total	0.0549	0.05	mg/L	110	90.0 - 110	126969177
Silver, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126969158
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126969169
Silver, Total	0.0534	0.05	mg/L	107	90.0 - 110	126969177
Thallium, Total	0.048	0.05	mg/L	96.0	90.0 - 110	126969158
Thallium, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	126969169
Thallium, Total	0.045	0.05	mg/L	90.0	90.0 - 110	126969177

### Dir. SPKD

Parameter	Sample	DSPK	DSPKD	UNK	Known	Limits%	DSPK%	DSPKD%	Units	RPD	Limit%
Lead, Total	2345042	0.530	0.531	ND	0.500	70.0 - 130	106	106	mg/L	0.189	30.0
Lead, Total	2345173	0.547	0.531	ND	0.500	70.0 - 130	109	106	mg/L	2.97	30.0
Lead, Total	2345265	0.528	0.535	0.0011	0.500	70.0 - 130	105	107	mg/L	1.32	30.0
Lead, Total	2345298	0.545	0.540	ND	0.500	70.0 - 130	109	108	mg/L	0.922	30.0
Lead, Total	2345308	0.519	0.525	0.000296	0.500	70.0 - 130	104	105	mg/L	1.15	30.0
Lead, Total	2345374	0.537	0.528	0.000507	0.500	70.0 - 130	107	105	mg/L	1.69	30.0

### Direct SPK

Parameter	Sample	DSPK	UNK	Known	Limits%	DSPK%	Units
Lead, Total	2345042	0.530	ND	0.500	70.0 - 130	106	mg/L
Lead, Total	2345173	0.547	ND	0.500	70.0 - 130	109	mg/L
Lead, Total	2345265	0.528	0.0011	0.500	70.0 - 130	105	mg/L
Lead, Total	2345298	0.545	ND	0.500	70.0 - 130	109	mg/L
Lead, Total	2345308	0.519	0.000296	0.500	70.0 - 130	104	mg/L
Lead, Total	2345374	0.537	0.000507	0.500	70.0 - 130	107	mg/L

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Barium, Total	0.0503	0.05	mg/L	101	90.0 - 110	126969151
Beryllium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126969151
Cadmium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126969151
Copper, Total	0.0501	0.05	mg/L	100	90.0 - 110	126969151
Lead, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126969151
Nickel, Total	0.0513	0.05	mg/L	103	90.0 - 110	126969151
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126969151
Thallium, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	126969151

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# QUALITY CONTROL



## AZM3-R

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### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Barium, Total	1145796	0.505	0.505	0.500	85.0 - 115	101	101	mg/L	0	20.0
Beryllium, Total	1145796	0.197	0.201	0.200	85.0 - 115	98.5	100	mg/L	2.01	20.0
Cadmium, Total	1145796	0.250	0.250	0.250	85.0 - 115	100	100	mg/L	0	20.0
Copper, Total	1145796	0.493	0.505	0.500	85.0 - 115	98.6	101	mg/L	2.40	20.0
Lead, Total	1145796	0.534	0.540	0.500	85.0 - 115	107	108	mg/L	1.12	20.0
Lead, Total	1145899	0.515	0.523	0.500	85.0 - 115	103	105	mg/L	1.54	20.0
Lead, Total	1145899	0.515	0.536	0.500	85.0 - 115	103	107	mg/L	4.00	20.0
Lead, Total	1145899	0.515	0.539	0.500	85.0 - 115	103	108	mg/L	4.55	20.0
Nickel, Total	1145796	0.503	0.502	0.500	85.0 - 115	101	100	mg/L	0.199	20.0
Silver, Total	1145796	0.0924	0.093	0.100	85.0 - 115	92.4	93.0	mg/L	0.647	20.0
Thallium, Total	1145796	0.533	0.538	0.500	85.0 - 115	107	108	mg/L	0.934	20.0

### LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Barium, Total	9.37	10	mg/L	93.7	90.0 - 110	126969155
Beryllium, Total	1.01	1	mg/L	101	90.0 - 110	126969157
Cadmium, Total	9.65	10	mg/L	96.5	90.0 - 110	126969155
Copper, Total	10.7	10	mg/L	107	90.0 - 110	126969155
Lead, Total	9.04	10	mg/L	90.4	90.0 - 110	126969155
Nickel, Total	9.24	10	mg/L	92.4	90.0 - 110	126969155
Thallium, Total	9.11	10	mg/L	91.1	90.0 - 110	126969155

### MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.00101	0.001	mg/L	101	25.0 - 175	126969152
Lead, Total	0.00106	0.001	mg/L	106	25.0 - 175	126969152

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Barium, Total	2350173	0.921	0.920	0.438	0.500	70.0 - 130	96.6	96.4	mg/L	0.207	20.0
Beryllium, Total	2350173	0.191	0.191	0.000242	0.200	70.0 - 130	95.4	95.4	mg/L	0	20.0
Cadmium, Total	2350173	0.231	0.227	0.000131	0.250	70.0 - 130	92.3	90.7	mg/L	1.75	20.0
Copper, Total	2350173	0.452	0.456	0.00602	0.500	70.0 - 130	89.2	90.0	mg/L	0.893	20.0
Lead, Total	2350173	0.478	0.478	0.00127	0.500	70.0 - 130	95.3	95.3	mg/L	0	20.0
Nickel, Total	2350173	0.464	0.458	0.00557	0.500	70.0 - 130	91.7	90.5	mg/L	1.32	20.0
Silver, Total	2350173	0.0847	0.0854	0.0000754	0.100	70.0 - 130	84.6	85.3	mg/L	0.824	20.0
Thallium, Total	2350173	0.469	0.474	ND	0.500	70.0 - 130	93.8	94.8	mg/L	1.06	20.0
Barium, Total	2350400	0.529	0.527	0.012	0.500	70.0 - 130	103	103	mg/L	0.388	20.0
Beryllium, Total	2350400	0.209	0.212	0.0000814	0.200	70.0 - 130	104	106	mg/L	1.43	20.0
Cadmium, Total	2350400	0.253	0.250	0.000145	0.250	70.0 - 130	101	99.9	mg/L	1.19	20.0
Copper, Total	2350400	0.773	0.790	0.293	0.500	70.0 - 130	96.0	99.4	mg/L	3.48	20.0
Lead, Total	2350400	0.508	0.505	0.000599	0.500	70.0 - 130	101	101	mg/L	0.593	20.0
Nickel, Total	2350400	0.505	0.507	0.00406	0.500	70.0 - 130	100	101	mg/L	0.398	20.0
Silver, Total	2350400	0.0923	0.0922	ND	0.100	70.0 - 130	92.3	92.2	mg/L	0.108	20.0
Thallium, Total	2350400	0.510	0.511	ND	0.500	70.0 - 130	102	102	mg/L	0.196	20.0

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# QUALITY CONTROL



## AZM3-R

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Project  
**1123636**

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Analytical Set **1145991**

**SM 5310 C-2014**

### AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	2.06	2.00	mg/L	103	50.0 - 150	126972773

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Organic Carbon	1145991	0.108	0.0618	0.500	mg/L	126972772
Total Organic Carbon	1145991	0.130	0.0618	0.500	mg/L	126972774
Total Organic Carbon	1145991	0.114	0.0618	0.500	mg/L	126972794
Total Organic Carbon	1145991	0.219	0.0618	0.500	mg/L	126972822

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	10.4	10.0	mg/L	104	90.0 - 110	126972769
Total Organic Carbon	10.3	10.0	mg/L	103	90.0 - 110	126972777
Total Organic Carbon	10.5	10.0	mg/L	105	90.0 - 110	126972784
Total Organic Carbon	10.6	10.0	mg/L	106	90.0 - 110	126972793
Total Organic Carbon	10.6	10.0	mg/L	106	90.0 - 110	126972805
Total Organic Carbon	10.7	10.0	mg/L	107	90.0 - 110	126972821

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Organic Carbon	2348650	6.88	6.58	mg/L	4.46	20.0

### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	19.7	20.0	mg/L	98.5	90.0 - 110	126972768

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	10.4	10.0	mg/L	104	90.0 - 110	126972770

### LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Organic Carbon	1145991	5.35	5.00	mg/L	107	85.0 - 115	126972771
Total Organic Carbon	1145991	5.11	5.00	mg/L	102	85.0 - 115	126972795
Total Organic Carbon	1145991	5.02	5.00	mg/L	100	85.0 - 115	126972823

### MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Total Organic Carbon	2349760	10.6	10.8	0.284	10.0	85.0 - 115	103	105	mg/L	1.92	20.0
Total Organic Carbon	2349761	11.0	11.0	0.538	10.0	85.0 - 115	105	105	mg/L	0	20.0
Total Organic Carbon	2349762	10.9	10.7	0.120	10.0	85.0 - 115	108	106	mg/L	1.87	20.0
Total Organic Carbon	2349763	11.2	11.2	0.303	10.0	85.0 - 115	109	109	mg/L	0	20.0

### Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon		47.2	50.0	mg/L	94.4	90.0 - 110	126972767

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# QUALITY CONTROL



## AZM3-R

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**1123636**

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Analytical Set **1146033**

EPA 200.7 4.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Dissolved Calcium	1145920	0.035	0.0156	0.500	mg/L	126973728
Dissolved Magnesium	1145920	ND	0.00367	0.500	mg/L	126973728
Dissolved Sodium	1145920	0.020	0.0139	0.500	mg/L	126973728

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	24.9	25.0	mg/L	99.6	90.0 - 110	126973709
Dissolved Calcium	24.7	25.0	mg/L	98.8	90.0 - 110	126973724
Dissolved Calcium	24.7	25.0	mg/L	98.8	90.0 - 110	126973733
Dissolved Magnesium	25.0	25.0	mg/L	100	90.0 - 110	126973709
Dissolved Magnesium	24.8	25.0	mg/L	99.2	90.0 - 110	126973724
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	126973733
Dissolved Sodium	24.2	25.0	mg/L	96.8	90.0 - 110	126973709
Dissolved Sodium	24.3	25.0	mg/L	97.2	90.0 - 110	126973724
Dissolved Sodium	24.2	25.0	mg/L	96.8	90.0 - 110	126973733

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	51.0	50.0	mg/L	102	95.0 - 105	126973703
Dissolved Magnesium	50.6	50.0	mg/L	101	95.0 - 105	126973703
Dissolved Sodium	50.1	50.0	mg/L	100	95.0 - 105	126973703

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	26.0	25.0	mg/L	104	90.0 - 110	126973707
Dissolved Magnesium	25.6	25.0	mg/L	102	90.0 - 110	126973707
Dissolved Sodium	24.9	25.0	mg/L	99.6	90.0 - 110	126973707

### LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	379	400	mg/L	94.8	90.0 - 110	126973732

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Dissolved Calcium	2350294	1240	1240	1160	5.00	75.0 - 125	1600 *	1600 *	mg/L	0	20.0
Dissolved Magnesium	2350294	59.5	61.9	3.48	5.00	75.0 - 125	1120 *	1170 *	mg/L	4.19	20.0
Dissolved Sodium	2350294	195	196	144	5.00	75.0 - 125	1020 *	1040 *	mg/L	1.94	20.0

Analytical Set **1146168**

EPA 200.8 5.4

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1145796	0.000902	0.000399	0.001	mg/L	126976566
Arsenic, Total	1145796	0.000358	0.00025	0.0005	mg/L	126976566
Chromium, Total	1145796	ND	0.0005	0.001	mg/L	126976566
Selenium, Total	1145796	ND	0.000728	0.002	mg/L	126976566

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# QUALITY CONTROL



## AZM3-R

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Zinc, Total	1145796	ND	0.0025	0.005	mg/L	126976566

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	126976568
Antimony, Total	0.0511	0.05	mg/L	102	90.0 - 110	126976579
Arsenic, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126976558
Arsenic, Total	0.0517	0.05	mg/L	103	90.0 - 110	126976568
Arsenic, Total	0.0507	0.05	mg/L	101	90.0 - 110	126976579
Chromium, Total	0.0513	0.05	mg/L	103	90.0 - 110	126976568
Chromium, Total	0.0502	0.05	mg/L	100	90.0 - 110	126976579
Selenium, Total	0.0544	0.05	mg/L	109	90.0 - 110	126976558
Selenium, Total	0.0525	0.05	mg/L	105	90.0 - 110	126976568
Selenium, Total	0.0547	0.05	mg/L	109	90.0 - 110	126976579
Selenium, Total	0.0514	0.05	mg/L	103	90.0 - 110	126976589
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	126976558
Zinc, Total	0.0519	0.05	mg/L	104	90.0 - 110	126976568
Zinc, Total	0.0545	0.05	mg/L	109	90.0 - 110	126976579
Zinc, Total	0.0517	0.05	mg/L	103	90.0 - 110	126976589
Zinc, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126976599

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	126976542
Arsenic, Total	0.0513	0.05	mg/L	103	90.0 - 110	126976542
Chromium, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	126976542
Selenium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126976542
Zinc, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126976542

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1145796	0.515	0.523	0.500	85.0 - 115	103	105	mg/L	1.54	20.0
Arsenic, Total	1145796	0.502	0.484	0.500	85.0 - 115	100	96.8	mg/L	3.65	20.0
Chromium, Total	1145796	0.490	0.496	0.500	85.0 - 115	98.0	99.2	mg/L	1.22	20.0
Selenium, Total	1145796	0.500	0.498	0.500	85.0 - 115	100	99.6	mg/L	0.401	20.0
Zinc, Total	1145796	0.492	0.504	0.500	85.0 - 115	98.4	101	mg/L	2.41	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2350173	0.495	0.502	0.00468	0.500	70.0 - 130	98.1	99.5	mg/L	1.42	20.0
Arsenic, Total	2350173	0.484	0.509	0.00972	0.500	70.0 - 130	94.9	99.9	mg/L	5.14	20.0
Chromium, Total	2350173	0.444	0.441	ND	0.500	70.0 - 130	88.8	88.2	mg/L	0.678	20.0
Selenium, Total	2350173	0.446	0.465	0.00266	0.500	70.0 - 130	88.7	92.5	mg/L	4.20	20.0
Zinc, Total	2350173	0.448	0.503	0.0352	0.500	70.0 - 130	82.6	93.6	mg/L	12.5	20.0

Analytical Set

1146247

EPA 6010C

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# QUALITY CONTROL



## AZM3-R

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<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Calcium (SAR Extracted)	1146247	ND	0.0156	0.500	mg/L	126978846
Magnesium (SAR Extracted)	1146247	ND	0.00367	0.500	mg/L	126978846
Sodium (SAR Extracted)	1146247	0.0661	0.0139	0.500	mg/L	126978846

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium (SAR Extracted)	24.9	25.0	mg/L	99.6	90.0 - 110	126978834
Calcium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126978835
Calcium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	126978842
Calcium (SAR Extracted)	24.9	25.0	mg/L	99.6	90.0 - 110	126978847
Calcium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126978850
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	126978834
Magnesium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	126978835
Magnesium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	126978842
Magnesium (SAR Extracted)	24.5	25.0	mg/L	98.0	90.0 - 110	126978847
Magnesium (SAR Extracted)	24.3	25.0	mg/L	97.2	90.0 - 110	126978850
Sodium (SAR Extracted)	24.0	25.0	mg/L	96.0	90.0 - 110	126978834
Sodium (SAR Extracted)	24.1	25.0	mg/L	96.4	90.0 - 110	126978835
Sodium (SAR Extracted)	24.1	25.0	mg/L	96.4	90.0 - 110	126978842
Sodium (SAR Extracted)	24.2	25.0	mg/L	96.8	90.0 - 110	126978847
Sodium (SAR Extracted)	23.9	25.0	mg/L	95.6	90.0 - 110	126978850

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Calcium (SAR Extracted)	2350294	896	826	mg/L	8.13	20.0
Magnesium (SAR Extracted)	2350294	1.86	1.62	mg/L	13.8	20.0
Sodium (SAR Extracted)	2350294	108	98.2	mg/L	9.51	20.0

### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium (SAR Extracted)	52.1	50.0	mg/L	104	95.0 - 105	126978828
Magnesium (SAR Extracted)	51.1	50.0	mg/L	102	95.0 - 105	126978828
Sodium (SAR Extracted)	51.3	50.0	mg/L	103	95.0 - 105	126978828

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Calcium (SAR Extracted)	26.3	25.0	mg/L	105	90.0 - 110	126978832
Magnesium (SAR Extracted)	25.5	25.0	mg/L	102	90.0 - 110	126978832
Sodium (SAR Extracted)	25.1	25.0	mg/L	100	90.0 - 110	126978832

Analytical Set

1146485

SM 3500-Cr B-2011

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<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Hexavalent Chromium	1146485	0.768	0.550	3.00	ug/L	126986736
Hexavalent Chromium	1146485	ND	0.550	3.00	ug/L	126986745
Hexavalent Chromium	1146485	1.27	0.550	3.00	ug/L	126986749

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Chromium	81.9	80.0	ug/L	102	90.0 - 110	126986737
Hexavalent Chromium	83.2	80.0	ug/L	104	90.0 - 110	126986746
Hexavalent Chromium	84.9	80.0	ug/L	106	90.0 - 110	126986750

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Chromium	1146485	84.4	83.4	80.0	85.0 - 115	106	104	ug/L	1.19	15.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Chromium	2351700	62.3	65.8	ND	80.0	70.0 - 130	77.9	82.2	ug/L	5.46	20.0

Analytical Set

1146712

EPA 245.7 2

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1146619	ND	1.20	5.00	ng/L	126988008

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1146619	ND	1.20	5.00	ng/L	126988007
Mercury, Total (low level)	1146619	ND	1.20	5.00	ng/L	126988019
Mercury, Total (low level)	1146619	ND	1.20	5.00	ng/L	126988031
Mercury, Total (low level)	1146712	ND	1.20	5.00	ng/L	126988040

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	24.4	25.0	ng/L	97.6	76.0 - 113	126988006
Mercury, Total (low level)	22.3	25.0	ng/L	89.2	76.0 - 113	126988018
Mercury, Total (low level)	23.7	25.0	ng/L	94.8	76.0 - 113	126988030
Mercury, Total (low level)	20.1	25.0	ng/L	80.4	87.0 - 113	126988039

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	48.5	50.0	ng/L	97.0	90.0 - 110	126988004

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	24.9	25.0	ng/L	99.6	90.0 - 110	126988005

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1146619	20.4	21.3	25.0	76.0 - 115	81.6	85.2	ng/L	4.32	50.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2349964	19.1	17.2	ND	26.6	63.0 - 111	71.8	64.7	ng/L	10.5	18.0
Mercury, Total (low level)	2350292	19.4	19.3	ND	26.6	63.0 - 111	72.9	72.6	ng/L	0.517	18.0

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Analytical Set 1146846

EPA 200.8 5.4

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1146846	ND	0.00171	0.00171	mg/L	126990854
Aluminum, Total	1145796	ND	0.00171	0.00171	mg/L	126990948

## CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	126990869
Aluminum, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	126990891
Aluminum, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	126990901
Aluminum, Total	0.0505	0.05	mg/L	101	90.0 - 110	126990922
Aluminum, Total	0.0503	0.05	mg/L	101	90.0 - 110	126990932
Aluminum, Total	0.055	0.05	mg/L	110	90.0 - 110	126990942
Aluminum, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	126990952
Aluminum, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	126990961
Aluminum, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	126990993
Aluminum, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126991003

## ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126990862

## LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1145796	0.504	0.495	0.500	85.0 - 115	101	99.0	mg/L	1.80	20.0

## LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	9.46	10	mg/L	94.6	90.0 - 110	126990866

## MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2350173	0.573	0.556	0.0503	0.500	70.0 - 130	105	101	mg/L	3.31	20.0

Analytical Set 1145682

SM 2510 B-2011

## Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Lab Spec. Conductance at 25 C	1145682	0.973			umhos/cm	126960924

## Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Lab Spec. Conductance at 25 C	2349005	2500	2500	umhos/cm	0	20.0
Lab Spec. Conductance at 25 C	2350067	139	138	umhos/cm	0.722	20.0

## ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lab Spec. Conductance at 25 C	13000	12900	umhos/cm	101	90.0 - 110	126960927

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Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lab Spec. Conductance at 25 C	1145682	1410	1410	umhos/cm	100	90.0 - 110	126960925
Lab Spec. Conductance at 25 C	1145682	100	100	umhos/cm	100	90.0 - 110	126960926
Lab Spec. Conductance at 25 C	1145682	1410	1410	umhos/cm	100	90.0 - 110	126960939
Lab Spec. Conductance at 25 C	1145682	1410	1410	umhos/cm	100	90.0 - 110	126960946

Analytical Set **1146469** SM 5220 D-2011

Blank								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>		<i>File</i>	
Chemical Oxygen Demand	1146469	ND	20.0	20.0	mg/L		126982707	
CCV								
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>	
Chemical Oxygen Demand		413	400	mg/L	103	90.0 - 110	126982708	
Duplicate								
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Chemical Oxygen Demand	2349984		28.0	29.9		mg/L	6.56	20.0
Chemical Oxygen Demand	2350274		24.2	20.4		mg/L	17.0	20.0
LCS								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Chemical Oxygen Demand	1146469	204		200	mg/L	102	90.0 - 110	126982709
Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Chemical Oxygen Demand	2349984	212	29.9	200	mg/L	91.0	80.0 - 120	126982712
Chemical Oxygen Demand	2350274	220	20.4	200	mg/L	99.8	80.0 - 120	126982724

Analytical Set **1146656** SM 4500-P E-2011

AWRL/LOQ C										
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>			
Phosphorus (as P), total		0.0483	0.060	mg/L	80.5	70.0 - 130	126995096			
Blank										
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>			
Phosphorus (as P), total	1146656	ND	0.0122	0.030	mg/L		126995095			
CCV										
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>			
Phosphorus (as P), total		0.293	0.300	mg/L	97.7	90.0 - 110	126995097			
Phosphorus (as P), total		0.296	0.300	mg/L	98.7	90.0 - 110	126995111			
Phosphorus (as P), total		0.296	0.300	mg/L	98.7	90.0 - 110	126995178			
LCS Dup										
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus (as P), total	1146656	0.290	0.290	0.300	80.0 - 120	96.7	96.7	mg/L	0	20.0

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# QUALITY CONTROL



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## MSD

<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Phosphorus (as P), total	<b>2349966</b>	<b>0.783</b>	<b>0.801</b>	<b>0.0489</b>	<b>0.750</b>	<b>70.0 - 130</b>	<b>97.9</b>	<b>100</b>	mg/L	2.42	20.0
Phosphorus (as P), total	<b>2351410</b>	<b>0.300</b>	<b>0.300</b>	<b>0.282</b>	<b>0.150</b>	<b>70.0 - 130</b>	<b>12.0 *</b>	<b>12.0 *</b>	mg/L	0	20.0

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); ICV - Initial Calibration Verification; CCB - Continuing Calibration Blank; MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; LDR - Linear Dynamic Range Standard; MRL Check - Minimum Reporting Limit Check Std; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)



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1123636 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
 Office: 903-984-0551 \* Fax: 903-984-5914



## CHAIN OF CUSTODY

Printed 10/27/2023

Page 1 of 2

Central Texas Water Supply  
 Marianna Sterling  
 PO 2393  
 Harker Heights, TX 76548

CTWS-C  
 106

Lab Number 2350283

PO Number \_\_\_\_\_

Phone 254/698-3583

## Weekly WW TDS/TSS

☐ Hand Delivered by Client to Region or LAB

## Matrix: Non-Potable Water

## Sample Collection Start

Date: 10/30/24 Time: 1130Sampler Printed Name: Eric MooreSampler Affiliation: CTWSCSampler Signature: [Signature]Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☐ 0 Z -- No bottle required

PU65 Pickup/Transportation

☐ 1 Polyethylene 1/2 gal (White)

NELAC

TSS

Total Suspended Solids

SM 2540 D-2015 (7.00 days)

☐ 1 Polyethylene Quart

NELAC

TDS

Total Dissolved Solids

SM 2540 C-2015 (7.00 days)

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
10/30/24	1245	Printed Name <u>Eric Moore</u> Affiliation <u>CTWSC</u> Signature <u>[Signature]</u>	Printed Name <u>Will [Signature]</u> Affiliation <u>SPL</u> Signature <u>[Signature]</u>
10/30/24	1700	Printed Name <u>Will [Signature]</u> Affiliation <u>SPL</u> Signature <u>[Signature]</u>	Printed Name <u>Ed [Signature]</u> Affiliation <u>[Signature]</u> Signature <u>[Signature]</u>
10/31/24	1030	Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u> Signature <u>[Signature]</u>	Printed Name <u>Ashley Vasquez - SPL, Inc.</u> Affiliation <u>[Signature]</u> Signature <u>[Signature]</u>
		Printed Name _____ Affiliation _____ Signature _____	Printed Name _____ Affiliation _____ Signature _____



1123636 CoC Print Group 001 of 002

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
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## CHAIN OF CUSTODY

Printed 10/27/2023

Page 2 of 2

Central Texas Water Supply  
Marianna Sterling  
PO 2393  
Harker Heights, TX 76548

CTWS-C  
106

Sample Received on Ice?

☒ Yes☐ No

Cooler/Sample Secure?

☒ Yes☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). ANA-Lab personnel collect samples as specified by ANA-Lab SOP #000323.

Comments



1123636 CoC Print Group 001 of 002

ORIGIN ID:MMRA (512) 821-0045  
WILLIAM WARD  
CENTEX  
8101 CAMERON RD.  
SUITE 305  
AUSTIN, TX 78754  
UNITED STATES US

SHIP DATE: 29OCT24  
ACTWGT: 75.00 LB  
CAD: 10438479911ET4535  
DIMS: 24x14x14 IN  
BILL SENDER

TO **SPL KILGORE**  
**ANA-LAB CORP.**  
**2600 DUDLEY RD.**

**KILGORE TX 75662**

(903) 984-0551  
INV:  
PO:

REF:

DEPT:



**FedEx**  
Express



**WED - 30 OCT 5:00P**  
**STANDARD OVERNIGHT**

TRK#  
0201 **7795 2117 9240**

**AH GGGA**

**75662**

**TX-US SHV**



10/31 1030 Anv  
Date Time Tech  
Temp: 1.6 1.7 C

Therm#: 6443 Corr Fact: 0.1 C

1123636 CoC Print Group 001 of 002

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P-UP FEE Routine TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

Printed 10/25/2024 Page 1 of 5

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**102**

Lab Number 2350294  
PO Number 450126749 Mandatory  
Phone 4501288570 956/383-4911

### Permit Renew

☒ Hand Delivered by Client to Region or LAB

### Matrix: Non-Potable Water

#### Sample Collection Start

Date: 10-30-2024 Time: 9:45

Sampler Printed Name: Jal Manjanny  
Sampler Affiliation: SPL  
Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☐ On Site Testing

Click Field C12 Check for CNa

#### Field C12 Check for CNa

Collected By JM2 Date 10/30/24 Time 9:45 Analyzed By JM2 Date 10/30/24 Time 9:55  
Results Neg Units — Temp. — C Duplicate Neg Units — Temp. — C  
R1 0.0 R2 0.0 QCR1 0.0 QCR2 0.0

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

#### Hex Cr, Field Preservation

Collected By JM2 Date 10/30/24 Time 9:45 Analyzed By JM2 Date 10/30/24 Time 9:45  
\* Transferred directly to Preserved Bottle

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)



1123636 CoC Print Group 001 of 002

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Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
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Page 2 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**102**

## Dissolved Oxygen Onsite

Collected By JML Date 10/30/24 Time 9:45 Analyzed By JML Date 10/30/24 Time 9:59

Results 0.69 Units mg/L Temp. 47.1° C Duplicate 0.54 Units mg/L Temp. 46.8° C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

## pH (Onsite)

Collected By JML Date 10/30/24 Time 9:45 Analyzed By JML Date 10/30/24 Time 9:50

Results 11.18 Units S.U Temp. 57.3° C Duplicate 11.10 Units S.U Temp. 56.9° C

S2Ck Field Sulfide Check for CNa

## Field Sulfide Check for CNa

Collected By JML Date 10/30/24 Time 9:45 Analyzed By JML Date 10/30/24 Time 9:57

Results Neg Units - Temp. - C Duplicate Neg Units - Temp. - C  
R1 - R2 - QC R1 - QC R2 -

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)

## Temperature (onsite)

Collected By JML Date 10/30/24 Time 9:45 Analyzed By JML Date 10/30/24 Time 9:50

Results 57.3 Units °C Duplicate 56.9° Units °C

2 H2SO4 to pH <2 GIQt w/Tef-lined lid



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78401 Report Page 41 of 52

1123636 CoC Print Group 001 of 002

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**SPL**  
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Page 3 of 5

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

HEM Oil and Grease (HEM)

EPA 1664B (HEM) (28.0 days)

### 1 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid

NELAC

TOCL Total Organic Carbon

SM 5310 C-2014 (28.0 days)

### 1 Polyethylene 1/2 gal (White)

NELAC Short Hold

BOD Biochemical Oxygen Demand (BOD5)

SM 5210 B-2016 CAS:1026-3 (2.04 days)

NELAC Short Hold

BODc BOD Carbonaceous

SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)

SARL Sodium Adsorption Ratio - Liquid

600/2-78-054 3.2.19 (5.00 days)

NELAC

TSS Total Suspended Solids

SM 2540 D-2015 (7.00 days)

### 0 Z -- No bottle required

NELAC Short Hold

Cr+3 Trivalent Chromium

Calculation CAS:16065-83-1 (1.00 days)

GTMS Transfer to ICP/MS

HgKt LL Mercury Test Prep

P150 Pickup/Sampling/Transport

### 1 HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC

\*AgM Silver, Total

EPA 200.8 5.4 CAS:7440-22-4 (180 days)

NELAC

\*AlM Aluminum, Total

EPA 200.8 5.4 CAS:7429-90-5 (180 days)

NELAC

\*AsM Arsenic, Total

EPA 200.8 5.4 CAS:7440-38-2 (180 days)

NELAC

\*BaM Barium, Total

EPA 200.8 5.4 CAS:7440-39-3 (180 days)

NELAC

\*BeM Beryllium, Total

EPA 200.8 5.4 CAS:7440-41-7 (180 days)

NELAC

\*BM Boron

EPA 200.7 4.4 CAS:7440-42-8 (180 days)

NELAC

\*CdM Cadmium, Total

EPA 200.8 5.4 CAS:7440-43-9 (180 days)

NELAC

\*CrM Chromium, Total

EPA 200.8 5.4 CAS:7440-47-3 (180 days)

NELAC

\*CuM Copper, Total

EPA 200.8 5.4 CAS:7440-50-8 (180 days)

NELAC

\*NiM Nickel, Total

EPA 200.8 5.4 CAS:7440-02-0 (180 days)

NELAC

\*PbM Lead, Total

EPA 200.8 5.4 CAS:7439-92-1 (180 days)

NELAC

\*SbM Antimony, Total

EPA 200.8 5.4 CAS:7440-36-0 (180 days)

NELAC

\*SeM Selenium, Total

EPA 200.8 5.4 CAS:7782-49-2 (180 days)



1123636 CoC Print Group 001 of 002

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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

NELAC	<b>*TIM</b>	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	<b>*ZnM</b>	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	<b>301L</b>	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

### 1 HNO3 to pH <2 Polyethylene 250 mL/AFTER filtration

NELAC	<b>*CaD</b>	Dissolved Calcium	EPA 200.7, Rev. 4.4 CAS:7440-70-2 (5.00 days)
NELAC	<b>*MgD</b>	Dissolved Magnesium	EPA 200.7, Rev. 4.4 CAS:7439-95-4 (5.00 days)
NELAC	<b>*NaD</b>	Dissolved Sodium	EPA 200.7, Rev. 4.4 CAS:7440-23-5 (5.00 days)

### 2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	<b>COD</b>	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	<b>NH4N</b>	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	<b>OrgN</b>	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	<b>TKN</b>	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
NELAC	<b>TPWB</b>	Phosphorus (as P), total	SM 4500-P E-2011 CAS:7723-14-0 (28.0 days)

### 1 Glass Qt

<b>*SAR</b>	Sodium Adsorption Ratio Extract	(180 days)
-------------	---------------------------------	------------

### 1 Glass /clean metals w/HCl

NELAC	<b>*Hgl</b>	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	<b>245I</b>	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

### 1 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	<b>CNa</b>	Cyanide, total	SM 4500-CN <sup>-</sup> E-2016 (14.0 days)
-------	------------	----------------	--

### 1 Polyethylene Quart

NELAC	<b>ICIL</b>	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	<b>IFIL</b>	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC <b>Short Hold</b>	<b>IN3L</b>	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	<b>IS4L</b>	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	<b>CONL</b>	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)





1123636 CoC Print Group 001 of 002

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# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**102**

**Short Hold****DMF** Dissolved Metals Filtering

SM 3030 B-2004 (0.0104 days)

NELAC

**TDS** Total Dissolved Solids

SM 2540 C-2015 (7.00 days)

**1** **Cr+6 Preserved 250 Polyethylene**

NELAC **Short Hold****Cr+6** Hexavalent Chromium

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
10/30/24	1730	Printed Name <i>Juan Martinez</i> Affiliation <i>SPL</i>	Printed Name <i>FedEx</i> Affiliation <i>FedEx</i>
		Signature <i>[Signature]</i>	Signature <i>[Signature]</i>
10/31/24	1030	Printed Name <i>FedEx</i> Affiliation <i>FedEx</i>	Printed Name <i>Ashley Vasquez - SPL, Inc.</i> Affiliation <i>Ashley Vasquez - SPL, Inc.</i>
		Signature <i>[Signature]</i>	Signature <i>[Signature]</i>
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #006123.

Comments



1123636 CoC Print Group 001 of 002

2000 County Rd. 1, Edinburg, Texas 78541  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
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# CHAIN OF CUSTODY

Printed 10/25/2024

Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Lab Number 2350296  
PO Number 4501288570 Mandatory 4501288570  
Phone 4501288570 956/383-4911

## Permit Renew - FC

☒ Hand Delivered by Client to Region or LAB

Fecal Coliform subcontracted to CC Water Utilities Laboratory  
Matrix: Non-Potable Water

Sample Collection Start

Date: 10.30.2024 Time: 9:45Sampler Printed Name: J. MartinezSampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Haz. rd? ☐

☐ On Site Testing

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By JM2 Date 10/30/24 Time 9:45 Analyzed By JM2 Date 10/30/24 Time 9:55

Results ND Units mg/L Temp. 57.3° C Duplicate ND Units mg/L Temp. 56.9° C  
R1 0.0 R2 0.0 QC R1 0.0 QC R2 0.0

☐ Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized

Subcontract

FCR

Fecal Coliform - RGV region

Subcontract CAS:CCWU

Ambient Conditions/Comments



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78521

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1123636 CoC Print Group 001 of 002

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**SPL**  
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Page 2 of 2

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

AZM3-R  
103

Date	Time	Relinquished		Received	
10-30-24	11:20	Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	

Sample Received on Ice? ☐ Yes ☐ No  
Cooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #001-323.

### Comments

\* Fecal Coliform Sample was delivered to FG3.  
He will drop off sample at CCWU Lab.  
JM2



1123636 CoC Print Group 002 of 002

2000 Duway Rd., Edinburg, Texas 78541  
Office: 903-984-0551 \* Fax: 903-984-5914

**CHAIN OF CUSTODY**

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



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Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**112**

Lab Number 2350298  
PO Number Mandatory 4501288570  
Phone 956/383-4911

**Hg Field Blank**
☒ Hand Delivered by Client to Region or LAB
**Matrix: Non-Potable Water****Sample Collection Start**Date: 10.30.2024 Time: 9:30Sampler Printed Name: J. MartinezSampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ **Glass/clean metals w/HCl**

NELAC

\*Hg1 Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

2451 Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

☒ **Glass/clean metals/Field Blank**

LHgF LL Mercury Field Blank Prep

CAS:7439-97-6 (28.0 days)

**Ambient Conditions/Comments**

Date	Time	Relinquished	Received
10/30/24	1730	Printed Name _____ Signature _____ Affiliation <u>SPL</u>	Printed Name _____ Signature <u>FedEx</u> Affiliation _____
10/31/24	1030	Printed Name _____ Signature <u>FedEx</u> Affiliation _____	Printed Name <u>Ashley Vasquez - SPL, Inc.</u> Signature _____ Affiliation _____
		Printed Name _____ Signature _____ Affiliation _____	Printed Name _____ Signature _____ Affiliation _____
		Printed Name _____ Signature _____ Affiliation _____	Printed Name _____ Signature _____ Affiliation _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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1123636 CoC Print Group 002 of 002

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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

AZM3 -R  
112

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #001323.

Comments



1123636 CoC Print Group 002 of 002

2000 County Rd. 140, Edinburg, Texas 78502  
Office: 903-984-0551 \* Fax: 903-984-5914

**CHAIN OF CUSTODY**

P-UP FEE \$ 0.00 TT  
SUB: CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

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Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

**AZM3 -R**  
**111**

Lab Number 2350299  
PO Number Mandatory 4501288570  
Phone 956/383-4911

**Hg Trip Blank**
☒ Hand Delivered by Client to Region or LAB
**Matrix: Non-Potable Water****Sample Collection Start**Date: 10-30-2024 Time: 9:32Sampler Printed Name: Juan MartinezSampler Affiliation: SPLSampler Signature: [Signature]Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ **Glass /clean metals w/HCl**

NELAC

\*HgI

Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

245I

Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

☒ **Glass /clean metals/Trip Blank**

LHgT

LL Mercury Trip Blank Prep

CAS:7439-97-6 (28.0 days)

**Ambient Conditions/Comments**

Date	Time	Relinquished		Received	
10/30/24	17:30	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	SPL	Signature	FedEx
10/31/24	10:30	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	FedEx	Signature	Ashley Vasquez - SPL, Inc.
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78521

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1123636 CoC Print Group 002 of 002

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## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Sample Received on Ice? ☒ Yes ☐ No  
Cooler/Sample Secure? ☒ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

*The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000.123.*

Comments



1123636 CoC Print Group 002 of 002



1123636 CoC Print Group 002 of 002

SHIP DATE: 30OCT24  
ACTWGT: 67.35 LB.  
CAD: 6904257/SSFE2560  
DIMS: 24x14x13 IN  
BILL THIRD PARTY

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THU - 31 OCT 10:30A  
PRIORITY OVERNIGHT

179 2637

75662

10/31 1030 AM  
Date Time Tech  
Temp: 0.7 0.8 C

Therm#: 6443 Corr Fact: 0.1 C

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644



Project  
1124561

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024  
16:55

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SAMPLE CROSS REFERENCE

Project  
1124561

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/11/2024 Page 1 of 1

Sample	Sample ID	Taken	Time	Received		
2352663	Permit Renew - FC	11/06/2024	10:10:00	11/07/2024		
	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	SM 4500-Cl G-2011		1146739	11/06/2024	1146739	11/06/2024
	Subcontract			11/06/2024		11/06/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1124561

Printed: 11/11/2024

RESULTS

Sample Results

2352663	Permit Renew - FC	Received:	11/07/2024
Non-Potable Water	Collected by: JMZ	SPL Kilgore	PO:
	Taken: 11/06/2024	10:10:00	4501126749
Fecal Coliform subcontracted to CC Water Utilites Laboratory			

SM 4500-CI G-2011		Prepared:	1146739	11/06/2024	10:22:00	Analyzed	1146739	11/06/2024	10:22:00	JMZ
Parameter		Results	Units	RL		Flags	CAS	Bottle		
NELAC	Cl2 Res.,Total(Onsite)Spec Mid	<0.05	mg/L	0.05						
Subcontract		Prepared:	11/06/2024	15:42:00	Analyzed	11/06/2024	15:42:00	SUB		
Parameter		Results	Units	RL		Flags	CAS	Bottle		
z	Fecal Coliform - RGV region	See Attached					CCWU			

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.  
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



2600 Dudley Rd. Kilgore, Texas 75662  
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380  
Office: 903-984-0551 \* Fax: 903-984-5914



AZM3-R

Page 2 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

Project  
1124561

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*Bill Peery*

Bill Peery, MS, VP Technical Services



Report Page 4 of 8

# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Page 1 of 1

Project

1124561

Printed 11/11/2024

Analytical Set		1146739			SM 4500-CI G-2011		
Duplicate							
<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>	
Cl2 Res.,Total(Onsite)Spec Mid	2352663	ND	ND	mg/L		20	
Standard							
<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	
Cl2 Res.,Total(Onsite)Spec Mid	1146739	0.220	0.220	mg/L	110	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid	1146739	0.940	0.930	mg/L	104.4	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid	1146739	1.57	1.58	mg/L	98.1	90 - 110	

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1-r_2) / \text{mean}(r_1,r_2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$



1124561 CoC Print Group 001 of 001

2000 County Rd. 180, Edinburg, Texas 78541  
Office: 903-984-0551 \* Fax: 903-984-5914

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENT COCs ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Soil

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Page 1 of 2

**CHAIN OF CUSTODY**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Lab Number 2352663  
PO Number Mandatory 4501288570  
Phone 956/383-4911

**Permit Renew - FC**

☒ Hand Delivered by Client to Region or LAB

Fecal Coliform subcontracted to CC Water Utilities Laboratory  
Matrix: Non-Potable Water

Sample Collection Start

Date: 11-6-2024 Time: 10:10Sampler Printed Name: JL MartinezSampler Affiliation: SPLSampler Signature: [Signature]Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

☐ On Site Testing

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By ML Date 11-6-24 Time 10:10 Analyzed By SM2 Date 11-6-24 Time 10:22Results ND Units mg/L Temp.        C Duplicate ND Units mg/L Temp.        CR1 0.0 R2 0.0 QC R1 0.0 QC R2 0.0

☐ Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized

Subcontract

FCR

Fecal Coliform - RGV region

Subcontract CAS:CCWU

Ambient Conditions/Comments



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

Report Page 6 of 8

1124561 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Survival

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Page 2 of 2

## CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**103**

Date	Time	Relinquished		Received	
11-6-24	12:30	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	SPL	Signature	FED CO
11-7-24	10:30	Printed Name	Affiliation	Printed Name	Affiliation
		Signature	FED CO	Signature	Andy Owens - SPL, Inc.
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	

Sample Received on Ice? ☐ Yes ☐ NoCooler/Sample Secure? ☐ Yes ☐ No

If Shipped: Tracking Number &amp; Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments

\* Sample sent to Corpus Christi Lab  
JM2





fedex.com 1.800.GoFedEx 1.800.463.333

Report Page 8 of 8



City of Corpus Christi  
Water Utilities Laboratory  
13101 Leopard Street  
361-826-1200 Fax: 361-242-9131

## Analytical Report



<b>Client Info</b> SPL-INC 2600 Dudley Rd. Kilgore, TX 75662				<b>Report# /Lab ID#:</b> AC44025 <b>Sample Name:</b> PERMIT RENEW <b>Date Received:</b> 11/06/2024 <b>Time:</b> 14:34 <b>Date Sampled:</b> 11/06/2024 <b>Time:</b> 10:10				
<b>Phone:</b>				<b>EMAIL:</b> Kilgore.Projectmanagement@spla				
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL's</b>	<b>Date/Time Analyzed</b>	<b>Method</b>	<b>Analyst</b>	<b>Analysis Comments</b>
Fecal Coliform MPN	<1.0	MPN			11/6/24 15:42	Colliert 18	CF/MS	
<b>Sample Comments:</b>								

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAP requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:

N=Analysis not performed as per client request. H=Sample exceeded holding time. P=Analysis is from an unpreserved sample. J=Value reported is less than the RL but greater than the MDL .  
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. LA=Lab accident. LE=Lab error. OA=Outside the scope of the lab's NELAP accreditation.  
U=Unsuitable; sample turned turbid after incubation. T=Sample below temp requirement; not on ice. EQ=Equipment failure. I=Information on sample bottle and COC does not match.  
S=Slow to filter; sample contains floc and/or large amount of residue on filter. O=Analysis performed by an outside NELAP accredited lab; O\*=Analysis flagged by outside laboratory.  
Z=Too many colonies present to provide a result (TNTC). A=Value reported is the mean of two or more determinations. R=Reagent water contamination suspected. B=Sample broken in transit.  
NI=Not analyzed due to interferences. K=BOD result estimated due to blank exceeding the allowable oxygen depletion. D=Sample dilution required for analysis/ quality control.  
SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. QB=No QC data assigned to sample; sample result not affected.  
EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.  
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.  
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

Client Name: **SPL LABS**

Address: 2600 Dudley Rd.

City: Kilgore State: TX Zip: 75662

Phone: (903) 984 - 0551 Fax: (903) 984 - 5914

[illegible]

Send Email report to: [kilgore.projectmanagement.splabs.com](mailto:kilgore.projectmanagement.splabs.com)

cc: joel.manjarrez@splabs.com

AZM3

City of  
Corpus  
Christi

**Water Utilities Laboratory**  
13101 Leopard St.  
Corpus Christi, TX 78410  
Ph: (361) 826-1200  
Fax: (361) 242-9131



## CHAIN OF CUSTODY RECORD

[illegible]

Relinquished By: <i>[Signature]</i>	Date: 11-6-24	Time: 11:56	Special Instructions/Comments:
Received By: <i>[Signature]</i>	Date: 11-6-24	Time: 11:50	
Relinquished By: <i>[Signature]</i>	Date: 11-6-24	Time: 11:34	
Received By: <i>[Signature]</i>	Date: 11/6/24	Time: 14:31	
Relinquished By:	Date:	Time:	<div style="text-align: center;">***** For Laboratory Use Only *****</div>
Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	
Received By:	Date:	Time:	
			Sample(s) on Ice: YES <input checked="" type="radio"/> NO <input type="radio"/> pH strip Lot# ID: 79 Receiving Temp (°C): 79 pH < 2? YES NO Line(s) #: Corrected Temp (°C): 79 Data Flag(s): B



Project  
1124553

AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Printed 11/18/2024  
10:10

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1124553_r10_05_ProjectQC	SPL Kilgore Project P:1124553 C:AZM3 Project Quality Control Groups	19
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SAMPLE CROSS REFERENCE

Project  
1124553

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Sample	Sample ID	Taken	Time	Received
2352644	Hg Field Blank	11/06/2024	09:55:00	11/07/2024

Bottle 01 Glass /clean metals w/HCl  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1147961	11/15/2024	1148010	11/15/2024

Sample	Sample ID	Taken	Time	Received
2352649	Hg Trip Blank	11/06/2024	10:00:00	11/07/2024

Bottle 01 Glass /clean metals w/HCl  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1147961	11/15/2024	1148010	11/15/2024

Sample	Sample ID	Taken	Time	Received
2352650	Permit Renew	11/06/2024	10:10:00	11/07/2024

Email: Kilgore.ProjectManagement@spllabs.com

# SAMPLE CROSS REFERENCE

Project

1124553

Printed

11/18/2024

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 Client supplied HNO3 filtered pH <2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 8 oz Plastic H2SO4 pH < 2  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 11 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 12 Cr+6 Preserved 250 Polyethylene  
 Bottle 13 250 ml unpreserved HDPE  
 Bottle 14 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 BOD Titration Beaker A (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Analytical Beaker B (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Titration Beaker A (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Analytical Beaker B (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1146829) Volume: 10.00000 mL <== Derived from 11 ( 5 ml )  
 Bottle 21 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1146823) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )  
 Bottle 22 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1146857) Volume: 6.00000 mL <== Derived from 07 ( 6 ml )  
 Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 24 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 28 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 29 Prepared Bottle: SAR extraction  
 Bottle 30 Prepared Bottle: SAR extraction  
 Bottle 31 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1146912	11/07/2024	1146912	11/07/2024
EPA 300.0 2.1	01	1147150	11/08/2024	1147150	11/08/2024
EPA 200.8 5.4	23	1146915	11/08/2024	1147030	11/08/2024
EPA 200.8 5.4	23	1146915	11/08/2024	1147525	11/12/2024
EPA 200.7 4.4	23	1146915	11/08/2024	1147126	11/11/2024
EPA 200.7, Rev. 4.4	26	1146983	11/08/2024	1147143	11/11/2024
EPA 215.1	29	1147242	11/11/2024	1147242	11/11/2024
EPA 245.7 2	31	1147961	11/15/2024	1148010	11/15/2024
EPA 242.1	29	1147242	11/11/2024	1147242	11/11/2024
EPA 200.8 5.4	23	1146915	11/08/2024	1147300	11/11/2024
SM 5210 B-2016	01	1146820	11/13/2024	1146820	11/13/2024

Email: Kilgore.ProjectManagement@spllabs.com

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## SAMPLE CROSS REFERENCE

Project

1124553

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11/18/2024

Page 3 of 5

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2352650	Permit Renew	11/06/2024	10:10:00	11/07/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 Client supplied HNO3 filtered pH <2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 8 oz Plastic H2SO4 pH < 2  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 11 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 12 Cr+6 Preserved 250 Polyethylene  
 Bottle 13 250 ml unpreserved HDPE  
 Bottle 14 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 BOD Titration Beaker A (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Analytical Beaker B (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Titration Beaker A (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Analytical Beaker B (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1146829) Volume: 10.00000 mL <== Derived from 11 ( 5 ml )  
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 Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 24 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 28 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 29 Prepared Bottle: SAR extraction  
 Bottle 30 Prepared Bottle: SAR extraction  
 Bottle 31 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1146821	11/13/2024	1146821	11/13/2024
SM 4500-CN <sup>-</sup> E-2016	20	1146829	11/08/2024	1147124	11/11/2024
SM 5220 D-2011	07	1147586	11/13/2024	1147586	11/13/2024
SM 2510 B-2011	13	1146918	11/08/2024	1146918	11/08/2024
Calculation			11/11/2024		11/11/2024
SM 3500-Cr B-2011	12	1146984	11/08/2024	1146984	11/08/2024
SM 3500-Cr B-2011		1147252	11/06/2024	1147252	11/06/2024

Email: Kilgore.ProjectManagement@spllabs.com

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# SAMPLE CROSS REFERENCE

Project

1124553

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Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2352650	Permit Renew	11/06/2024	10:10:00	11/07/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 Client supplied HNO3 filtered pH <2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 8 oz Plastic H2SO4 pH < 2  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 11 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 12 Cr+6 Preserved 250 Polyethylene  
 Bottle 13 250 ml unpreserved HDPE  
 Bottle 14 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 BOD Titration Beaker A (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Analytical Beaker B (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Titration Beaker A (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Analytical Beaker B (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1146829) Volume: 10.00000 mL <== Derived from 11 ( 5 ml )  
 Bottle 21 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1146823) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )  
 Bottle 22 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1146857) Volume: 6.00000 mL <== Derived from 07 ( 6 ml )  
 Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 24 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 28 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 29 Prepared Bottle: SAR extraction  
 Bottle 30 Prepared Bottle: SAR extraction  
 Bottle 31 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-O G-2016		1146534	11/06/2024	1146534	11/06/2024
EPA 1664B (HEM)	10	1147966	11/14/2024	1147966	11/14/2024
EPA 350.1 2	22	1146857	11/08/2024	1147411	11/12/2024
EPA 351.2 minus EPA 350.1			11/13/2024		11/13/2024
600/2-78-054 3.2.19			11/11/2024		11/11/2024
SM 2540 C-2015	02	1147578	11/11/2024	1147578	11/11/2024
EPA 351.2 2	21	1146823	11/08/2024	1147338	11/12/2024

Email: Kilgore.ProjectManagement@spllabs.com

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# SAMPLE CROSS REFERENCE

Project

1124553

Printed 11/18/2024 Page 5 of 5

Azteca Milling, LP  
 Juan Martinez  
 P. O. Box 141  
 Edinburg, TX 78541-

Sample	Sample ID	Taken	Time	Received
2352650	Permit Renew	11/06/2024	10:10:00	11/07/2024

Bottle 01 Polyethylene 1/2 gal (White)  
 Bottle 02 Polyethylene Quart  
 Bottle 03 16 oz HNO3 Metals Plastic  
 Bottle 04 Bottle, QEC, 16oz Plastic U016 (100 ea)  
 Bottle 05 Client supplied HNO3 filtered pH <2  
 Bottle 06 8 oz Plastic H2SO4 pH < 2  
 Bottle 07 8 oz Plastic H2SO4 pH < 2  
 Bottle 08 Glass Qt w/Teflon lined lid  
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 10 H2SO4 to pH <2 Glass Qt w/Teflon lined lid  
 Bottle 11 NaOH to pH >12 Polyethylene 250 mL/amber  
 Bottle 12 Cr+6 Preserved 250 Polyethylene  
 Bottle 13 250 ml unpreserved HDPE  
 Bottle 14 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid  
 Bottle 15 Glass /clean metals w/HCl  
 Bottle 16 BOD Titration Beaker A (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 17 BOD Analytical Beaker B (Batch 1146821) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 18 BOD Titration Beaker A (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 19 BOD Analytical Beaker B (Batch 1146820) Volume: 100.00000 mL <== Derived from 01 ( 100 ml )  
 Bottle 20 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1146829) Volume: 10.00000 mL <== Derived from 11 ( 5 ml )  
 Bottle 21 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1146823) Volume: 20.00000 mL <== Derived from 07 ( 20 ml )  
 Bottle 22 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1146857) Volume: 6.00000 mL <== Derived from 07 ( 6 ml )  
 Bottle 23 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 24 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 25 Prepared Bottle: ICP Preparation for Metals (Batch 1146915) Volume: 50.00000 mL <== Derived from 03 ( 50 ml )  
 Bottle 26 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 27 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 28 Prepared Bottle: Prep for Dissolved Metals (Batch 1146983) Volume: 20.00000 mL <== Derived from 02 ( 20 ml )  
 Bottle 29 Prepared Bottle: SAR extraction  
 Bottle 30 Prepared Bottle: SAR extraction  
 Bottle 31 Prepared Bottle: Mercury Preparation for Metals (Batch 1147961) Volume: 50.00000 mL <== Derived from 15 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5310 C-2014	14	1148248	11/15/2024	1148248	11/15/2024
SM 4500-P E-2011	07	1147870	11/14/2024	1147870	11/14/2024
SM 2540 D-2015	01	1147234	11/08/2024	1147234	11/08/2024
SM 2550 B - 2010		1146734	11/06/2024	1146734	11/06/2024
SM 4500-H+ B-2011		1146735	11/06/2024	1146735	11/06/2024

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2600 Dudley Rd. Kilgore, Texas 75662  
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AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project

1124553

Printed: 11/18/2024

RESULTS

Sample Results

2352644	Hg Field Blank	Received:	11/07/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 11/06/2024	09:55:00	4501288570

		Prepared:	11/07/2024	15:01:51	Calculated	11/07/2024	15:01:51	CAL
z	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	LL Mercury Field Blank Prep	Verified				7439-97-6		

EPA 245.7 2		Prepared: 1147961 11/15/2024 07:30:00		Analyzed 1148010 11/15/2024 09:34:00		MPI	
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02

2352649	Hg Trip Blank	Received:	11/07/2024
Non-Potable Water	Collected by: Client	Azteca Milling, LP	PO:
	Taken: 11/06/2024	10:00:00	4501288570

		Prepared:	11/07/2024	15:01:51	Calculated	11/07/2024	15:01:51	CAL
z	Parameter	Results	Units	RL	Flags	CAS	Bottle	
	LL Mercury Trip Blank Prep	Verified				7439-97-6		

EPA 245.7 2		Prepared: 1147961 11/15/2024 07:30:00		Analyzed 1148010 11/15/2024 09:37:00		MPI	
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle
	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	02



**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

**2352650 Permit Renew**

Received: 11/07/2024

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

PO: 4501288570

		Prepared:	11/07/2024	15:01:51	Calculated	11/07/2024	15:01:51	CAL		
z	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Pickup/Sampling/Transport	Verified								
		Prepared:	1146733	11/06/2024	10:23:00	Analyzed	1146733	11/06/2024	10:23:00	CLI
z	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Field Sulfide Check for CNa	NEG	mg/L							
		Prepared:	1146737	11/06/2024	10:22:00	Analyzed	1146737	11/06/2024	10:22:00	JMZ
z	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Field Cl2 Check for CNa	NEGATIVE								
600/2-78-054 3.2.19		Prepared:	11/11/2024	11:43:02	Calculated	11/11/2024	11:43:02	CAL		
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Sodium Adsorption Ratio - Liquid	1.23	1							
	600/2-78-054 3.2.19		Prepared:	11/11/2024	16:07:33	Calculated	11/11/2024	16:07:33	CAL	
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Sodium Adsorption Ratio	0.891	1							
NELAC	Calculation	Prepared:	11/11/2024	11:55:05	Calculated	11/11/2024	11:55:05	CAL		
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Trivalent Chromium	0.015	mg/L	0.005			16065-83-1			
NELAC	EPA 1664B (HEM)	Prepared:	1147966	11/14/2024	08:29:00	Analyzed	1147966	11/14/2024	08:29:00	MAX
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Oil and Grease (HEM)	9.09	mg/L	5.19	A			10		
NELAC	EPA 200.7 4.4	Prepared:	1146915	11/08/2024	09:00:00	Analyzed	1147126	11/11/2024	09:28:00	RD1
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Boron	0.438	mg/L	0.080			7440-42-8	23		



## AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

### 2352650 Permit Renew

Received: 11/07/2024

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

PO: 4501288570

#### EPA 200.7, Rev. 4.4

Prepared: 1146983 11/08/2024 10:00:00 Analyzed 1147143 11/11/2024 10:14:00 RDI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Calcium	962	mg/L	5.00	P	7440-70-2	26
NELAC	Dissolved Magnesium	6.54	mg/L	5.00	P	7439-95-4	26
NELAC	Dissolved Sodium	140	mg/L	5.00	P	7440-23-5	26

#### EPA 200.8 5.4

Prepared: 1146915 11/08/2024 09:00:00 Analyzed 1147030 11/08/2024 16:06:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	2.90	mg/L	0.00855	PD	7429-90-5	23
NELAC	Antimony, Total	<0.0188	mg/L	0.0188	P	7440-36-0	23
NELAC	Barium, Total	0.122	mg/L	0.005		7440-39-3	23
NELAC	Beryllium, Total	<0.000695	mg/L	0.000695		7440-41-7	23
NELAC	Cadmium, Total	0.000933	mg/L	0.005	J	7440-43-9	23
NELAC	Chromium, Total	0.018	mg/L	0.005		7440-47-3	23
NELAC	Copper, Total	0.0629	mg/L	0.00775		7440-50-8	23
NELAC	Lead, Total	0.00212	mg/L	0.005	J	7439-92-1	23
NELAC	Silver, Total	<0.00113	mg/L	0.00113		7440-22-4	23
NELAC	Zinc, Total	0.132	mg/L	0.005		7440-66-6	23

#### EPA 200.8 5.4

Prepared: 1146915 11/08/2024 09:00:00 Analyzed 1147300 11/11/2024 20:48:00 HLT

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Nickel, Total	0.0107	mg/L	0.005	M	7440-02-0	23
NELAC	Selenium, Total	<0.010	mg/L	0.010	PM	7782-49-2	23
NELAC	Thallium, Total	<0.0025	mg/L	0.0025	M	7440-28-0	23

#### EPA 200.8 5.4

Prepared: 1146915 11/08/2024 09:00:00 Analyzed 1147525 11/12/2024 15:36:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Arsenic, Total	0.00208	mg/L	0.0005		7440-38-2	23

#### EPA 215.1

Prepared: 1147242 11/11/2024 14:59:00 Analyzed 1147242 11/11/2024 14:59:00 RDI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Calcium (SAR Extracted)	735	mg/L	10.0		7440-70-2	29



**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

**2352650 Permit Renew**

Received: 11/07/2024

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

PO: 4501288570

EPA 242.1 Prepared: 1147242 11/11/2024 14:59:00 Analyzed 1147242 11/11/2024 14:59:00 RDI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Magnesium (SAR Extracted)	<10.0	mg/L	10.0		7439-95-4	29

EPA 245.7 2 Prepared: 1147961 11/15/2024 07:30:00 Analyzed 1148010 11/15/2024 09:41:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<0.00000532	mg/L	0.00000532		7439-97-6	31

EPA 300.0 2.1 Prepared: 1146912 11/07/2024 18:22:00 Analyzed 1146912 11/07/2024 18:22:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	211	mg/L	3.00			01
NELAC	Fluoride	<0.5	mg/L	0.5			01
NELAC	Nitrate-Nitrogen Total	0.431	mg/L	0.226		14797-55-8	01

EPA 300.0 2.1 Prepared: 1147150 11/08/2024 11:28:00 Analyzed 1147150 11/08/2024 11:28:00 TTC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Sulfate	310	mg/L	30.0			01

EPA 350.1 2 Prepared: 1146857 11/08/2024 08:49:36 Analyzed 1147411 11/12/2024 06:40:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	7.30	mg/L	0.200			22

EPA 351.2 2 Prepared: 1146823 11/08/2024 06:35:14 Analyzed 1147338 11/12/2024 11:10:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	31.3	mg/L	0.500		7727-37-9	21

EPA 351.2 minus EPA 350.1 Prepared: 11/13/2024 08:06:32 Calculated 11/13/2024 08:06:32 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nitrogen, Total Organic (as N)	24.00	mg/L	0.500			



AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

**2352650 Permit Renew**

Received: 11/07/2024

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

PO: 4501288570

EPA 6010C Prepared: 1147242 11/11/2024 14:59:00 Analyzed 1147242 11/11/2024 14:59:00 RDI

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Sodium (SAR Extracted)	87.8	mg/L	10.0		7440-23-5	29

Handbook 60 Prepared: 11/12/2024 10:45:00 Analyzed 11/12/2024 10:45:00 RCI

Parameter	Results	Units	RL	Flags	CAS	Bottle
Saturated Water Percentage	Inapp Matrix	(100% Sat)				

SM 2510 B-2011 Prepared: 1146918 11/08/2024 09:00:00 Analyzed 1146918 11/08/2024 09:00:00 BLC

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Lab Spec. Conductance at 25 C	6000	umhos/cm				13

SM 2540 C-2015 Prepared: 1147578 11/11/2024 09:15:00 Analyzed 1147578 11/11/2024 09:15:00 JMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Dissolved Solids	8800	mg/L	50.0			02

SM 2540 D-2015 Prepared: 1147234 11/08/2024 15:37:00 Analyzed 1147234 11/08/2024 15:37:00 SRJ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	5140	mg/L	400	D		01

SM 2550 B - 2010 Prepared: 1146734 11/06/2024 10:12:00 Analyzed 1146734 11/06/2024 10:12:00 JMZ

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Temperature (onsite)	58	Degrees C	1			

SM 3500-Cr B-2011 Prepared: 1146984 11/08/2024 11:35:00 Analyzed 1146984 11/08/2024 11:35:00 ALB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Hexavalent Chromium	<0.003	mg/L	0.003		18540-29-9	12



**AZM3-R**

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

**2352650 Permit Renew**

Received: 11/07/2024

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

PO: 4501288570

SM 3500-Cr B-2011 Prepared: 1147252 11/06/2024 10:10:00 Analyzed 1147252 11/06/2024 10:10:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	<0.003	mg/L	0.003		18540-29-9	

SM 4500-CN<sup>-</sup> E-2016 Prepared: 1146829 11/08/2024 07:40:33 Analyzed 1147124 11/11/2024 09:02:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			20

SM 4500-H+ B-2011 Prepared: 1146735 11/06/2024 10:12:00 Analyzed 1146735 11/06/2024 10:12:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	11	SU				

SM 4500-O G-2016 Prepared: 1146534 11/06/2024 10:15:00 Analyzed 1146534 11/06/2024 10:15:00 JMZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	1.5	mg/L	1.0			

SM 4500-P E-2011 Prepared: 1147870 11/14/2024 08:15:00 Analyzed 1147870 11/14/2024 08:15:00 PNR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phosphorus (as P), total	31.1	mg/L	6.00		7723-14-0	07

SM 5210 B-2016 Prepared: 1146820 11/08/2024 Analyzed 1146820 11/13/2024 13:31:38 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	6780	mg/L	750		1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1146821 11/08/2024 Analyzed 1146821 11/13/2024 12:39:19 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	BOD Carbonaceous	6940	mg/L	750			01



## AZM3-R

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Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

Project  
**1124553**

Printed: 11/18/2024

### 2352650 Permit Renew

Non-Potable Water

Collected by: Client  
Taken: 11/06/2024

Azteca Milling, LP  
10:10:00

Received: 11/07/2024  
PO: 4501288570

SM 5220 D-2011 Prepared: 1147586 11/13/2024 08:00:00 Analyzed 1147586 11/13/2024 08:00:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chemical Oxygen Demand	11200	mg/L	400			07

SM 5310 C-2014 Prepared: 1148248 11/15/2024 11:33:00 Analyzed 1148248 11/15/2024 11:33:00 JDK

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Organic Carbon	505	mg/L	50.0			14

### Sample Preparation

### 2352644 Hg Field Blank

Received: 11/07/2024  
4501288570

11/06/2024

EPA 245.7 2 Prepared: 1147961 11/15/2024 07:30:00 Analyzed 1147961 11/15/2024 07:30:00 MPI

NELAC Low Level Mercury Liquid Metals	50/47	ml				01
---------------------------------------	-------	----	--	--	--	----

### 2352649 Hg Trip Blank

Received: 11/07/2024  
4501288570

11/06/2024

EPA 245.7 2 Prepared: 1147961 11/15/2024 07:30:00 Analyzed 1147961 11/15/2024 07:30:00 MPI

NELAC Low Level Mercury Liquid Metals	50/47	ml				01
---------------------------------------	-------	----	--	--	--	----



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AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project

1124553

Printed: 11/18/2024

2352650 Permit Renew

Received: 11/07/2024

4501288570

11/06/2024

	Prepared:	11/07/2024	15:01:51	Calculated	11/07/2024	15:01:51	CAL
z	Environmental Fee (per Project)	Verified					
z	LL Mercury Test Prep	Verified					
	600/2-78-054 3.2.19	Prepared:	1147154 11/09/2024 13:25:00	Analyzed	1147154 11/09/2024 13:25:00	JDK	
	Sodium Adsorption Ratio Extract	PREPARED/PREP ml					10
		AR					
	EPA 1664B (HEM)	Prepared:	1147779 11/14/2024 08:29:00	Analyzed	1147779 11/14/2024 08:29:00	MAX	
NELAC	O&G HEM Started	Started					
	EPA 200.2 2.8	Prepared:	1146915 11/08/2024 09:00:00	Analyzed	1146915 11/08/2024 09:00:00	HLT	
z	Liquid Metals Digestion	50/50 ml					03
	EPA 242.1	Prepared:	11/11/2024 11:43:01	Calculated	11/11/2024 11:43:01	CAL	
NELAC	Magnesium (SAR) meq/L calculation	0.545 meq/L	0.416			7439-95-4	
	EPA 245.7 2	Prepared:	1147961 11/15/2024 07:30:00	Analyzed	1147961 11/15/2024 07:30:00	MP1	
NELAC	Low Level Mercury Liquid Metals	50/47 ml					15
	EPA 273.1	Prepared:	11/11/2024 11:43:01	Calculated	11/11/2024 11:43:01	CAL	
NELAC	Calcium (SAR) meq/L calculation	48.1 meq/L	0.250			7440-70-2	





AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project

1124553

Printed: 11/18/2024

2352650	Permit Renew	Received: 11/07/2024
		4501288570
	11/06/2024	

EPA 350.1, Rev. 2.0		Prepared:	1146857	11/08/2024	08:49:36	Analyzed	1146857	11/08/2024	08:49:36	MEG
NELAC	Ammonia Distillation	6/6	ml							07
EPA 351.2, Rev 2.0		Prepared:	1146823	11/08/2024	06:35:14	Analyzed	1146823	11/08/2024	06:35:14	AMB
NELAC	TKN Block Digestion	20/20	ml							07
EPA 6010C		Prepared:		11/11/2024	11:43:01	Calculated		11/11/2024	11:43:01	CAL
NELAC	Sodium (SAR) meq/L calculation	6.09	meq/L	0.218					7440-23-5	
SM 2540 C-2015		Prepared:	1147091	11/11/2024	09:15:00	Analyzed	1147091	11/11/2024	09:15:00	JMB
NELAC	Total Dissolved Solids Started	Started								
SM 2540 D-2011		Prepared:	1145945	11/08/2024	15:47:00	Analyzed	1145945	11/08/2024	15:47:00	SRJ
NELAC	TSS Set Started	Started								
SM 3030 B-2004		Prepared:	1146983	11/08/2024	10:00:00	Analyzed	1146983	11/08/2024	10:00:00	ALB
z	Dissolved (Wastewater) Filtering	20/20	ml							02
SM 4500-CN <sup>-</sup> C-2016		Prepared:	1146829	11/08/2024	07:40:33	Analyzed	1146829	11/08/2024	07:40:33	MEG
NELAC	Cyanide Distillation	10/5	ml							11



**AZM3-R**

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Azteca Milling, LP  
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Project  
**1124553**

Printed: 11/18/2024

**2352650 Permit Renew**

Received: 11/07/2024  
4501288570

11/06/2024

SM 5210 B-2016 Prepared: 1146820 11/08/2024 Analyzed 1146820 11/08/2024 06:00:01 JW1

NELAC **BOD Set Started** **Started**

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1146821 11/08/2024 Analyzed 1146821 11/08/2024 06:00:01 JW1

NELAC **BODc Set Started** **Started**

Qualifiers:

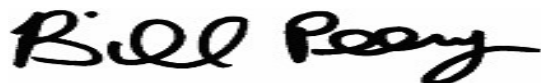
J - Analyte detected below quantitation limit D - Duplicate RPD was higher than expected  
M - High reporting level resulting from matrix interference. A - Lab pH adjusted per method prior to analysis  
P - Spike recovery outside control limits due to matrix effects.

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation  
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.  
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
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Analytical Set 1146820

SM 5210 B-2016

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1146820	0.2	0.200	0.500	mg/L	126989290
Biochemical Oxygen Demand (BOD5)	1146820	0.2	0.200	0.500	mg/L	126989340
Biochemical Oxygen Demand (BOD5)	1146820	0.2	0.200	0.500	mg/L	126989400

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2352420	ND	2.56	mg/L	200 *	30.0
Biochemical Oxygen Demand (BOD5)	2352634	171	191	mg/L	11.0	30.0
Biochemical Oxygen Demand (BOD5)	2352766	4.17	3.89	mg/L	6.95	30.0
Biochemical Oxygen Demand (BOD5)	2352873	14.1	16.3	mg/L	14.5	30.0
Biochemical Oxygen Demand (BOD5)	2352906	4.15	4.19	mg/L	0.959	30.0
Biochemical Oxygen Demand (BOD5)	2352981	3.83	4.35	mg/L	12.7	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1146820	0.740	0.200	0.500	mg/L	126989292
Biochemical Oxygen Demand (BOD5)	1146820	0.707	0.200	0.500	mg/L	126989342
Biochemical Oxygen Demand (BOD5)	1146820	0.683	0.200	0.500	mg/L	126989402

### Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		211	198	mg/L	107	83.7 - 116	126989293
Biochemical Oxygen Demand (BOD5)		219	198	mg/L	111	83.7 - 116	126989343
Biochemical Oxygen Demand (BOD5)		219	198	mg/L	111	83.7 - 116	126989403

Analytical Set 1146821

SM 5210 B-2016 (TCMP Inhibitor)

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1146821	0.2	0.200	0.500	mg/L	126989424
BOD Carbonaceous	1146821	0.2	0.200	0.500	mg/L	126989474
BOD Carbonaceous	1146821	0.2	0.200	0.500	mg/L	126989526

### Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2352404	2.75	3.19	mg/L	14.8	30.0
BOD Carbonaceous	2352628	3.03	2.43	mg/L	22.0	30.0
BOD Carbonaceous	2352708	6.09	7.29	mg/L	17.9	30.0
BOD Carbonaceous	2352900	3.97	5.13	mg/L	25.5	30.0
BOD Carbonaceous	2352942	5.17	4.65	mg/L	10.6	30.0

### Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1146821	0.763	0.200	0.500	mg/L	126989426
BOD Carbonaceous	1146821	0.757	0.200	0.500	mg/L	126989476
BOD Carbonaceous	1146821	0.737	0.200	0.500	mg/L	126989528

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# QUALITY CONTROL



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Standard							
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
BOD Carbonaceous		225	198	mg/L	114	83.7 - 116	126989427
BOD Carbonaceous		215	198	mg/L	109	83.7 - 116	126989477
BOD Carbonaceous		218	198	mg/L	110	83.7 - 116	126989529

Analytical Set

**1147124**

**SM 4500-CN E-2016**

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Cyanide, total	1146829	ND	0.00238	0.005	mg/L		127002782

CCV							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total		0.503	0.500	mg/L	101	90.0 - 110	127002781
Cyanide, total		0.505	0.500	mg/L	101	90.0 - 110	127002791

Duplicate							
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>		<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	2352742	ND	ND		mg/L		20.0

ICV							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cyanide, total		0.199	0.200	mg/L	99.5	90.0 - 110	127002780

LCS Dup											
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>		<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Cyanide, total	1146829	0.411	0.408		0.400	90.0 - 110	103	102	mg/L	0.733	20.0

Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Cyanide, total	2352742	0.389	ND	0.400	mg/L	97.2	90.0 - 110	127002787

Analytical Set

**1147338**

**EPA 351.2 2**

AWRL/LOQ C							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen		0.048	0.050	mg/L	96.0	75.0 - 125	127008772

Blank							
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>
Total Kjeldahl Nitrogen	1146823	ND	0.00712	0.050	mg/L		127008769

CCV							
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen		5.18	5.00	mg/L	104	90.0 - 110	127008767
Total Kjeldahl Nitrogen		5.23	5.00	mg/L	105	90.0 - 110	127008768
Total Kjeldahl Nitrogen		5.25	5.00	mg/L	105	90.0 - 110	127008775
Total Kjeldahl Nitrogen		5.25	5.00	mg/L	105	90.0 - 110	127008786
Total Kjeldahl Nitrogen		5.25	5.00	mg/L	105	90.0 - 110	127008797
Total Kjeldahl Nitrogen		5.26	5.00	mg/L	105	90.0 - 110	127008799

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# QUALITY CONTROL



AZM3-R

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Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2352507	1.21	1.24	mg/L	2.45	20.0

ICV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.48	5.00	mg/L	110	90.0 - 110	127008766

LCS Dup										
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>	<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Total Kjeldahl Nitrogen	1146823	4.99	4.97	5.00	90.0 - 110	99.8	99.4	mg/L	0.402	20.0

Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Total Kjeldahl Nitrogen	2352507	6.97	1.24	5.00	mg/L	115	80.0 - 120	127008776

Analytical Set 1147411 EPA 350.1 2

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Ammonia Nitrogen	1146857	ND	0.00336	0.020	mg/L	127009808

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.18	2.00	mg/L	109	90.0 - 110	127009783
Ammonia Nitrogen	2.16	2.00	mg/L	108	90.0 - 110	127009792
Ammonia Nitrogen	2.15	2.00	mg/L	108	90.0 - 110	127009800
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127009809
Ammonia Nitrogen	2.12	2.00	mg/L	106	90.0 - 110	127009819
Ammonia Nitrogen	2.12	2.00	mg/L	106	90.0 - 110	127009829
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127009840
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127009850
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127009858
Ammonia Nitrogen	2.04	2.00	mg/L	102	90.0 - 110	127009868
Ammonia Nitrogen	2.04	2.00	mg/L	102	90.0 - 110	127009878
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	127009888
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127009897
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	127009907
Ammonia Nitrogen	1.83	2.00	mg/L	91.5	90.0 - 110	127009918
Ammonia Nitrogen	1.96	2.00	mg/L	98.0	90.0 - 110	127009926
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	127009933
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127009941
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	127009950
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127009954

Duplicate							
<i>Parameter</i>	<i>Sample</i>	<i>Result</i>	<i>Unknown</i>	<i>Unit</i>	<i>RPD</i>		<i>Limit%</i>
Ammonia Nitrogen	2352628	0.055	0.098	mg/L	56.2	*	20.0
Ammonia Nitrogen	2352629	0.049	0.063	mg/L	25.0	*	20.0

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**AZM3-R**

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**1124553**

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## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Ammonia Nitrogen	2.10	2.00	mg/L	105	90.0 - 110	127009782

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	1146857	2.10	2.11	2.00	90.0 - 110	105	106	mg/L	0.475	20.0

## Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Ammonia Nitrogen	2352628	2.03	0.098	2.00	mg/L	96.6	80.0 - 120	127009814
Ammonia Nitrogen	2352629	2.07	0.063	2.00	mg/L	100	80.0 - 120	127009817

Analytical Set 1146534

SM 4500-O G-2016

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Dissolved Oxygen Onsite	2352391	8.2	8.3	mg/L	1.2	20
Dissolved Oxygen Onsite	2352650	1.5	1.5	mg/L		20

Analytical Set 1146733

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Sulfide Check for CNa	2352650	NEG	NEG	mg/L		20

Analytical Set 1146734

SM 2550 B - 2010

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Temperature (onsite)	2352650	56	58	Degrees C	3.5	20

Analytical Set 1146735

SM 4500-H+ B-2011

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
pH (Onsite)	2352650	11	11	SU		20
pH (Onsite)	2352861	4.9	4.9	SU		20

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	1146735	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1146735	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1146735	8.0	8.0	SU	100	90 - 110	

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**AZM3-R**

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<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
pH (Onsite)	1146735	8.0	8.0	SU	100	90 - 110	

Analytical Set 1146737

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Cl2 Check for CNa	2352650	NEGATIVE	NEGATIVE			20

Analytical Set 1147234

SM 2540 D-2015

## Duplicate

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1147234	ND	2	2	mg/L	127005943

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1147234	-0.0002			grams	127005942

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2352650	6640	5140	mg/L	25.5 *	20.0
Total Suspended Solids	2352806	30.3	29.7	mg/L	2.00	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1147234	49.0	50.0	mg/L	98.0	90.0 - 110	127005961

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		102	100	mg/L	102	90.0 - 110	127005960

Analytical Set 1147578

SM 2540 C-2015

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1147578	ND	5.00	5.00	mg/L	127013051

## ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1147578	0.0002			grams	127013038

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	2352421	810	820	mg/L	1.23	20.0

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Dissolved Solids	1147578	200	200	mg/L	100	85.0 - 115	127013052

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<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Total Dissolved Solids		<b>104</b>	<b>100</b>	<b>mg/L</b>	<b>104</b>	<b>90.0 - 110</b>	<b>127013039</b>

Analytical Set

**1147966**

**EPA 1664B (HEM)**

Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Oil and Grease (HEM)	1147966	1.10	0.804	4.00	mg/L	127024853					
ControlBlk											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>					
Oil and Grease (HEM)	1147966	0.0003			grams	127024852					
Oil and Grease (HEM)	1147966	0.0002			grams	127024877					
LCS											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>			
Oil and Grease (HEM)	1147966	32.9		40.0	mg/L	82.2	78.0 - 114	127024854			
MS											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Oil and Grease (HEM)	2351062	35.9	0	6.04	40.0	78.0 - 114	74.6 *		mg/L		20.0

Analytical Set

**1146912**

**EPA 300.0 2.1**

AWRL/LOQ C							
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Fluoride		0.094	0.100	mg/L	94.0	70.0 - 130	126993099
Nitrate-Nitrogen Total		0.0248	0.0226	mg/L	110	70.0 - 130	126993099
Blank							
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>		<i>File</i>
Chloride	1146912	ND	0.0593	0.300	mg/L		126993100
Fluoride	1146912	ND	0.0112	0.100	mg/L		126993100
Nitrate-Nitrogen Total	1146912	ND	0.00331	0.0226	mg/L		126993100
CCB							
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>		<i>File</i>
Chloride	1146912	0.014	0.0593	0.300	mg/L		126993096
Chloride	1146912	0.022	0.0593	0.300	mg/L		126993116
Chloride	1146912	0.020	0.0593	0.300	mg/L		126993128
Fluoride	1146912	0	0.0112	0.100	mg/L		126993096
Fluoride	1146912	0.038	0.0112	0.100	mg/L		126993116
Fluoride	1146912	0.053	0.0112	0.100	mg/L		126993128
Nitrate-Nitrogen Total	1146912	0.0296	0.00331	0.0226	mg/L	*	126993096
Nitrate-Nitrogen Total	1146912	-0.00429	0.00331	0.0226	mg/L		126993116
Nitrate-Nitrogen Total	1146912	-0.00542	0.00331	0.0226	mg/L		126993128
CCV							
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Chloride		10.0	10.0	mg/L	100	90.0 - 110	126993095

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.5	10.0	mg/L	105	90.0 - 110	126993115
Chloride	10.1	10.0	mg/L	101	90.0 - 110	126993127
Fluoride	9.88	10.0	mg/L	98.8	90.0 - 110	126993095
Fluoride	9.93	10.0	mg/L	99.3	90.0 - 110	126993115
Fluoride	9.81	10.0	mg/L	98.1	90.0 - 110	126993127
Nitrate-Nitrogen Total	2.24	2.26	mg/L	99.1	90.0 - 110	126993095
Nitrate-Nitrogen Total	2.23	2.26	mg/L	98.7	90.0 - 110	126993115
Nitrate-Nitrogen Total	2.21	2.26	mg/L	97.8	90.0 - 110	126993127

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1146912	5.14	5.20	5.00	85.0 - 115	103	104	mg/L	1.16	20.0
Fluoride	1146912	5.29	5.45	5.00	88.0 - 118	106	109	mg/L	2.98	20.0
Nitrate-Nitrogen Total	1146912	1.16	1.20	1.13	86.3 - 117	103	106	mg/L	3.39	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2351354	286	283	178	100	80.0 - 120	108	105	mg/L	2.82	20.0
Fluoride	2351354	102	99.1	ND	100	80.0 - 120	102	99.1	mg/L	2.88	20.0
Nitrate-Nitrogen Total	2351354	24.0	23.3	1.17	22.6	80.0 - 120	101	97.9	mg/L	3.11	20.0
Chloride	2351600	826	826	700	100	80.0 - 120	126 *	126 *	mg/L	0	20.0
Fluoride	2351600	97.7	94.6	ND	100	80.0 - 120	97.7	94.6	mg/L	3.22	20.0
Nitrate-Nitrogen Total	2351600	50.5	51.1	28.1	22.6	80.0 - 120	99.1	102	mg/L	2.64	20.0

Analytical Set

1147150

EPA 300.0 2.1

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1147150	ND	0.0605	0.300	mg/L	127003323

### CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfate	1147150	0	0.0605	0.300	mg/L	127003319
Sulfate	1147150	0	0.0605	0.300	mg/L	127003339
Sulfate	1147150	0	0.0605	0.300	mg/L	127003351

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Sulfate	9.52	10.0	mg/L	95.2	90.0 - 110	127003318
Sulfate	9.42	10.0	mg/L	94.2	90.0 - 110	127003338
Sulfate	9.20	10.0	mg/L	92.0	90.0 - 110	127003350

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Sulfate	1147150	4.66	4.67	5.00	85.4 - 124	93.2	93.4	mg/L	0.214	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
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**AZM3-R**

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**1124553**

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## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Sulfate	2352650	407	424	310	100	80.0 - 120	97.0	114	mg/L	16.1	20.0
Sulfate	2352755	500	550	530	100	80.0 - 120	-30.0 *	20.0 *	mg/L	9.52	20.0

Analytical Set

**1146984**

**SM 3500-Cr B-2011**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Hexavalent Chromium	1146984	ND	0.550	3.00	ug/L	126996028
Hexavalent Chromium	1146984	ND	0.550	3.00	ug/L	126996035
Hexavalent Chromium	1146984	0.768	0.550	3.00	ug/L	126996039

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Hexavalent Chromium	86.7	80.0	ug/L	108	90.0 - 110	126996029
Hexavalent Chromium	86.7	80.0	ug/L	108	90.0 - 110	126996036
Hexavalent Chromium	86.4	80.0	ug/L	108	90.0 - 110	126996040

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	1146984	86.7	84.9	80.0	85.0 - 115	108	106	ug/L	2.10	15.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	2348498	94.2	91.2	6.80	80.0	70.0 - 130	109	106	ug/L	3.49	20.0

Analytical Set

**1147030**

**EPA 200.8 5.4**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Aluminum, Total	1146915	ND	0.00171	0.00171	mg/L	126998119
Antimony, Total	1146915	ND	0.00376	0.00376	mg/L	126998119
Barium, Total	1146915	ND	0.000635	0.001	mg/L	126998119
Beryllium, Total	1146915	ND	0.000139	0.001	mg/L	126998119
Cadmium, Total	1146915	ND	0.000067	0.001	mg/L	126998119
Chromium, Total	1146915	ND	0.000621	0.001	mg/L	126998119
Copper, Total	1146915	ND	0.00155	0.00155	mg/L	126998119
Lead, Total	1146915	ND	0.000244	0.001	mg/L	126998119
Silver, Total	1146915	ND	0.000226	0.001	mg/L	126998119
Zinc, Total	1146915	ND	0.000875	0.001	mg/L	126998119

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Aluminum, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	126998104
Aluminum, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	126998105
Aluminum, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	126998114
Aluminum, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	126998118
Aluminum, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126998121
Aluminum, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	126998129

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# QUALITY CONTROL



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## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.046	0.05	mg/L	92.0	90.0 - 110	126998140
Antimony, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	126998104
Antimony, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126998105
Antimony, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	126998118
Antimony, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126998121
Antimony, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	126998129
Antimony, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	126998140
Antimony, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	126998161
Antimony, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126998170
Antimony, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	126998171
Barium, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	126998104
Barium, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	126998118
Barium, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	126998121
Barium, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	126998129
Barium, Total	0.0469	0.05	mg/L	93.8	90.0 - 110	126998140
Beryllium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126998104
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126998118
Beryllium, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	126998121
Beryllium, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	126998129
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126998140
Beryllium, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	126998150
Beryllium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	126998161
Beryllium, Total	0.051	0.05	mg/L	102	90.0 - 110	126998170
Beryllium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	126998171
Cadmium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	126998104
Cadmium, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	126998105
Cadmium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	126998118
Cadmium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126998121
Cadmium, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	126998129
Cadmium, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	126998140
Cadmium, Total	0.0451	0.05	mg/L	90.2	90.0 - 110	126998150
Cadmium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126998161
Cadmium, Total	0.0507	0.05	mg/L	101	90.0 - 110	126998170
Cadmium, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	126998171
Chromium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126998104
Chromium, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	126998118
Chromium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126998121
Chromium, Total	0.0469	0.05	mg/L	93.8	90.0 - 110	126998129
Chromium, Total	0.0457	0.05	mg/L	91.4	90.0 - 110	126998140
Chromium, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	126998161
Chromium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126998170
Chromium, Total	0.0458	0.05	mg/L	91.6	90.0 - 110	126998171
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	126998104
Copper, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126998105
Copper, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126998114

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# QUALITY CONTROL



## AZM3-R

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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126998118
Copper, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126998121
Copper, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126998129
Copper, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	126998140
Copper, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	126998161
Copper, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126998170
Copper, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	126998171
Lead, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126998104
Lead, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126998105
Lead, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	126998114
Lead, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	126998118
Lead, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126998121
Lead, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	126998129
Lead, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126998140
Lead, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	126998150
Lead, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	126998161
Lead, Total	0.051	0.05	mg/L	102	90.0 - 110	126998170
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126998171
Silver, Total	0.051	0.05	mg/L	102	90.0 - 110	126998104
Silver, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126998118
Silver, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	126998121
Silver, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	126998129
Silver, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126998140
Silver, Total	0.0459	0.05	mg/L	91.8	90.0 - 110	126998150
Silver, Total	0.049	0.05	mg/L	98.0	90.0 - 110	126998161
Silver, Total	0.0516	0.05	mg/L	103	90.0 - 110	126998170
Silver, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126998171
Zinc, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	126998104
Zinc, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	126998105
Zinc, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	126998114
Zinc, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	126998118
Zinc, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	126998121
Zinc, Total	0.0451	0.05	mg/L	90.2	90.0 - 110	126998129
Zinc, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	126998140
Zinc, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126998161
Zinc, Total	0.0505	0.05	mg/L	101	90.0 - 110	126998170
Zinc, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	126998171

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	126998097
Antimony, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	126998097
Barium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	126998097
Beryllium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	126998097
Cadmium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	126998097

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# QUALITY CONTROL



## AZM3-R

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### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chromium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	126998097
Copper, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	126998097
Lead, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	126998097
Silver, Total	0.0525	0.05	mg/L	105	90.0 - 110	126998097
Zinc, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	126998097

### LCS Dup

Parameter	PrepSet	LCS	LCS D	Known	Limits%	LCS%	LCS D%	Units	RPD	Limit%
Aluminum, Total	1146915	0.496	0.480	0.500	85.0 - 115	99.2	96.0	mg/L	3.28	20.0
Antimony, Total	1146915	0.473	0.463	0.500	85.0 - 115	94.6	92.6	mg/L	2.14	20.0
Barium, Total	1146915	0.470	0.469	0.500	85.0 - 115	94.0	93.8	mg/L	0.213	20.0
Beryllium, Total	1146915	0.186	0.188	0.200	85.0 - 115	93.0	94.0	mg/L	1.07	20.0
Cadmium, Total	1146915	0.238	0.240	0.250	85.0 - 115	95.2	96.0	mg/L	0.837	20.0
Chromium, Total	1146915	0.482	0.479	0.500	85.0 - 115	96.4	95.8	mg/L	0.624	20.0
Copper, Total	1146915	0.474	0.466	0.500	85.0 - 115	94.8	93.2	mg/L	1.70	20.0
Lead, Total	1146915	0.486	0.492	0.500	85.0 - 115	97.2	98.4	mg/L	1.23	20.0
Silver, Total	1146915	0.0859	0.0865	0.100	85.0 - 115	85.9	86.5	mg/L	0.696	20.0
Zinc, Total	1146915	0.483	0.479	0.500	85.0 - 115	96.6	95.8	mg/L	0.832	20.0

### MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	ND	0.001	mg/L	0	25.0 - 175	126998098
Lead, Total	0.000988	0.001	mg/L	98.8	85.0 - 115	126998098

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2352650	2.72	3.17	2.90	0.500	70.0 - 130	-36.0 *	54.0 *	mg/L	1000 *	20.0
Antimony, Total	2352650	0.277	0.297	ND	0.500	70.0 - 130	55.4 *	59.4 *	mg/L	6.97	20.0
Barium, Total	2352650	0.517	0.541	0.122	0.500	70.0 - 130	79.0	83.8	mg/L	5.90	20.0
Beryllium, Total	2352650	0.184	0.188	0.000148	0.200	70.0 - 130	91.9	93.9	mg/L	2.15	20.0
Cadmium, Total	2352650	0.222	0.232	0.000933	0.250	70.0 - 130	88.4	92.4	mg/L	4.42	20.0
Chromium, Total	2352650	0.525	0.574	0.018	0.500	70.0 - 130	101	111	mg/L	9.22	20.0
Copper, Total	2352650	0.555	0.604	0.0629	0.500	70.0 - 130	98.4	108	mg/L	9.49	20.0
Lead, Total	2352650	0.427	0.450	0.00212	0.500	70.0 - 130	85.0	89.6	mg/L	5.27	20.0
Silver, Total	2352650	0.0784	0.0818	ND	0.100	70.0 - 130	78.4	81.8	mg/L	4.24	20.0
Zinc, Total	2352650	0.516	0.576	0.132	0.500	70.0 - 130	76.8	88.8	mg/L	14.5	20.0
Aluminum, Total	2352887	0.542	0.553	0.0587	0.500	70.0 - 130	96.7	98.9	mg/L	2.25	20.0
Antimony, Total	2352887	0.476	0.460	ND	0.500	70.0 - 130	95.2	92.0	mg/L	3.42	20.0
Barium, Total	2352887	0.527	0.514	0.0591	0.500	70.0 - 130	93.6	91.0	mg/L	2.82	20.0
Beryllium, Total	2352887	0.191	0.190	ND	0.200	70.0 - 130	95.5	95.0	mg/L	0.525	20.0
Cadmium, Total	2352887	0.239	0.240	ND	0.250	70.0 - 130	95.6	96.0	mg/L	0.418	20.0
Chromium, Total	2352887	0.494	0.496	ND	0.500	70.0 - 130	98.8	99.2	mg/L	0.404	20.0
Copper, Total	2352887	0.480	0.489	0.00516	0.500	70.0 - 130	95.0	96.8	mg/L	1.88	20.0
Lead, Total	2352887	0.500	0.482	0.00027	0.500	70.0 - 130	99.9	96.3	mg/L	3.67	20.0
Silver, Total	2352887	0.0863	0.0865	ND	0.100	70.0 - 130	86.3	86.5	mg/L	0.231	20.0
Zinc, Total	2352887	0.478	0.481	0.00278	0.500	70.0 - 130	95.0	95.6	mg/L	0.629	20.0

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# QUALITY CONTROL



AZM3-R

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Analytical Set 1147126

EPA 200.7 4.4

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Boron	1146915	ND	0.00103	0.008	mg/L	127002866

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	0.969	1.00	mg/L	96.9	90.0 - 110	127002860
Boron	0.962	1.00	mg/L	96.2	90.0 - 110	127002865
Boron	0.959	1.00	mg/L	95.9	90.0 - 110	127002875

## ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	10.3	10.0	mg/L	103	95.0 - 105	127002858

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Boron	0.981	1.00	mg/L	98.1	90.0 - 110	127002859

## LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Boron	1146915	0.938	0.936	1.00	85.0 - 115	93.8	93.6	mg/L	0.213	25.0

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Boron	2352650	1.28	1.34	0.438	1.00	75.0 - 125	84.2	90.2	mg/L	6.88	25.0

Analytical Set 1147143

EPA 200.7 4.4

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Dissolved Calcium	1146983	ND	0.0156	0.500	mg/L	127003240
Dissolved Magnesium	1146983	ND	0.00367	0.500	mg/L	127003240
Dissolved Sodium	1146983	0.0157	0.0139	0.500	mg/L	127003240

## CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Dissolved Calcium	24.9	25.0	mg/L	99.6	90.0 - 110	127003226
Dissolved Calcium	24.8	25.0	mg/L	99.2	90.0 - 110	127003227
Dissolved Calcium	24.7	25.0	mg/L	98.8	90.0 - 110	127003237
Dissolved Calcium	24.8	25.0	mg/L	99.2	90.0 - 110	127003246
Dissolved Magnesium	24.9	25.0	mg/L	99.6	90.0 - 110	127003226
Dissolved Magnesium	24.8	25.0	mg/L	99.2	90.0 - 110	127003227
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	127003237
Dissolved Magnesium	24.7	25.0	mg/L	98.8	90.0 - 110	127003246
Dissolved Sodium	24.4	25.0	mg/L	97.6	90.0 - 110	127003226
Dissolved Sodium	24.4	25.0	mg/L	97.6	90.0 - 110	127003227
Dissolved Sodium	24.3	25.0	mg/L	97.2	90.0 - 110	127003237
Dissolved Sodium	24.5	25.0	mg/L	98.0	90.0 - 110	127003246

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# QUALITY CONTROL



## AZM3-R

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### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	50.6	50.0	mg/L	101	95.0 - 105	127003220
Dissolved Magnesium	50.4	50.0	mg/L	101	95.0 - 105	127003220
Dissolved Sodium	50.9	50.0	mg/L	102	95.0 - 105	127003220

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	25.5	25.0	mg/L	102	90.0 - 110	127003224
Dissolved Magnesium	25.1	25.0	mg/L	100	90.0 - 110	127003224
Dissolved Sodium	24.8	25.0	mg/L	99.2	90.0 - 110	127003224

### LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dissolved Calcium	401	400	mg/L	100	90.0 - 110	127003244
Dissolved Sodium	432	400	mg/L	108	90.0 - 110	127003245

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Dissolved Calcium	2352650	1030	1030	962	5.00	75.0 - 125	1360 *	1360 *	mg/L	0	20.0
Dissolved Magnesium	2352650	58.5	59.6	6.54	5.00	75.0 - 125	1040 *	1060 *	mg/L	2.09	20.0
Dissolved Sodium	2352650	190	191	140	5.00	75.0 - 125	1000 *	1020 *	mg/L	1.98	20.0

Analytical Set

1147242

EPA 6010C

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Calcium (SAR Extracted)	1147242	ND	0.0156	0.500	mg/L	127006383
Magnesium (SAR Extracted)	1147242	ND	0.00367	0.500	mg/L	127006383
Sodium (SAR Extracted)	1147242	0.0476	0.0139	0.500	mg/L	127006383

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	24.9	25.0	mg/L	99.6	90.0 - 110	127006364
Calcium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	127006365
Calcium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	127006379
Calcium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	127006386
Magnesium (SAR Extracted)	24.9	25.0	mg/L	99.6	90.0 - 110	127006364
Magnesium (SAR Extracted)	24.7	25.0	mg/L	98.8	90.0 - 110	127006365
Magnesium (SAR Extracted)	24.5	25.0	mg/L	98.0	90.0 - 110	127006379
Magnesium (SAR Extracted)	24.6	25.0	mg/L	98.4	90.0 - 110	127006386
Sodium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	127006364
Sodium (SAR Extracted)	24.3	25.0	mg/L	97.2	90.0 - 110	127006365
Sodium (SAR Extracted)	24.5	25.0	mg/L	98.0	90.0 - 110	127006379
Sodium (SAR Extracted)	24.4	25.0	mg/L	97.6	90.0 - 110	127006386

### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	50.6	50.0	mg/L	101	95.0 - 105	127006358

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# QUALITY CONTROL



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### ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Magnesium (SAR Extracted)	50.4	50.0	mg/L	101	95.0 - 105	127006358
Sodium (SAR Extracted)	50.9	50.0	mg/L	102	95.0 - 105	127006358

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Calcium (SAR Extracted)	25.5	25.0	mg/L	102	90.0 - 110	127006362
Magnesium (SAR Extracted)	25.1	25.0	mg/L	100	90.0 - 110	127006362
Sodium (SAR Extracted)	24.8	25.0	mg/L	99.2	90.0 - 110	127006362

Analytical Set 1147300

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chromium, Total	1146915	ND	0.0005	0.001	mg/L	127007666
Nickel, Total	1146915	ND	0.0005	0.001	mg/L	127007666
Selenium, Total	1146915	ND	0.000728	0.002	mg/L	127007666
Thallium, Total	1146915	ND	0.00025	0.0005	mg/L	127007666

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nickel, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	127007634
Nickel, Total	0.0449	0.05	mg/L	89.8	90.0 - 110	127007674
Nickel, Total	0.045	0.05	mg/L	90.0	90.0 - 110	127007685
Selenium, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	127007634
Selenium, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127007644
Selenium, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	127007664
Selenium, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	127007674
Selenium, Total	0.0456	0.05	mg/L	91.2	90.0 - 110	127007685
Selenium, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	127007695
Selenium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127007706
Thallium, Total	0.047	0.05	mg/L	94.0	90.0 - 110	127007674
Thallium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127007685

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127007629
Selenium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127007629
Thallium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127007629

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chromium, Total	1146915	0.546	0.565	0.500	85.0 - 115	109	113	mg/L	3.42	20.0
Nickel, Total	1146915	0.454	0.454	0.500	85.0 - 115	90.8	90.8	mg/L	0	20.0
Selenium, Total	1146915	0.447	0.448	0.500	85.0 - 115	89.4	89.6	mg/L	0.223	20.0
Thallium, Total	1146915	0.542	0.553	0.500	85.0 - 115	108	111	mg/L	2.01	20.0

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### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chromium, Total	2352650	0.612	0.614	0.00785	0.500	70.0 - 130	121	121	mg/L	0.330	20.0
Nickel, Total	2352650	0.400	0.407	0.0107	0.500	70.0 - 130	77.9	79.3	mg/L	1.78	20.0
Selenium, Total	2352650	0.276	0.276	ND	0.500	70.0 - 130	55.2 *	55.2 *	mg/L	0	20.0
Thallium, Total	2352650	0.453	0.465	ND	0.500	70.0 - 130	90.6	93.0	mg/L	2.61	20.0
Chromium, Total	2352887	0.550	0.533	ND	0.500	70.0 - 130	110	107	mg/L	3.14	20.0
Nickel, Total	2352887	0.442	0.440	ND	0.500	70.0 - 130	88.4	88.0	mg/L	0.454	20.0
Selenium, Total	2352887	0.440	0.438	ND	0.500	70.0 - 130	88.0	87.6	mg/L	0.456	20.0
Thallium, Total	2352887	0.552	0.553	ND	0.500	70.0 - 130	110	111	mg/L	0.181	20.0

Analytical Set

1147525

EPA 200.8 5.4

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Arsenic, Total	1146915	ND	0.00025	0.0005	mg/L	127011730
Barium, Total	1146915	ND	0.000348	0.002	mg/L	127011730
Nickel, Total	1146915	ND	0.0005	0.001	mg/L	127011730

### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	127011714
Arsenic, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127011726
Arsenic, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	127011735
Arsenic, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	127011746
Arsenic, Total	0.0459	0.05	mg/L	91.8	90.0 - 110	127011775
Arsenic, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	127011785

### ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127011707

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic, Total	1146915	0.459	0.470	0.500	85.0 - 115	91.8	94.0	mg/L	2.37	20.0
Barium, Total	1146915	0.474	0.441	0.500	85.0 - 115	94.8	88.2	mg/L	7.21	20.0
Nickel, Total	1146915	0.471	0.446	0.500	85.0 - 115	94.2	89.2	mg/L	5.45	20.0

### MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2352650	0.417	0.426	0.00208	0.500	70.0 - 130	83.0	84.8	mg/L	2.15	20.0
Barium, Total	2352650	0.534	0.550	0.108	0.500	70.0 - 130	85.2	88.4	mg/L	3.69	20.0
Nickel, Total	2352650	0.363	0.365	0.0135	0.500	70.0 - 130	69.9 *	70.3	mg/L	0.571	20.0
Barium, Total	2352887	0.515	0.526	0.0562	0.500	70.0 - 130	91.8	94.0	mg/L	2.37	20.0
Nickel, Total	2352887	0.443	0.456	ND	0.500	70.0 - 130	88.6	91.2	mg/L	2.89	20.0

Analytical Set

1148010

EPA 245.7 2

### Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
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# QUALITY CONTROL



## AZM3-R

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### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Mercury, Total (low level)	1147961	ND	1.20	5.00	ng/L	127026537

### CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Mercury, Total (low level)	1147961	4.53	1.20	5.00	ng/L	127026536
Mercury, Total (low level)	1147961	ND	1.20	5.00	ng/L	127026548
Mercury, Total (low level)	1147961	ND	1.20	5.00	ng/L	127026560
Mercury, Total (low level)	1148010	ND	1.20	5.00	ng/L	127026569

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Mercury, Total (low level)	25.4	25.0	ng/L	102	87.0 - 113	127026535
Mercury, Total (low level)	26.2	25.0	ng/L	105	87.0 - 113	127026547
Mercury, Total (low level)	25.3	25.0	ng/L	101	87.0 - 113	127026559
Mercury, Total (low level)	25.1	25.0	ng/L	100	87.0 - 113	127026568

### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Mercury, Total (low level)	47.8	50.0	ng/L	95.6	90.0 - 110	127026533

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Mercury, Total (low level)	24.9	25.0	ng/L	99.6	90.0 - 110	127026534

### LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Mercury, Total (low level)	1147961	23.5	23.5	25.0	76.0 - 115	94.0	94.0	ng/L	0	50.0

### MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Mercury, Total (low level)	2351945	18.0	19.0	ND	26.6	63.0 - 111	67.7	71.4	ng/L	5.41	18.0
Mercury, Total (low level)	2352816	8.62	9.21	ND	26.6	63.0 - 111	32.4 *	34.6 *	ng/L	6.62	18.0

Analytical Set 1148248

SM 5310 C-2014

### AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	1.67	2.00	mg/L	83.5	50.0 - 150	127030876

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	9.72	10.0	mg/L	97.2	90.0 - 110	127030874
Total Organic Carbon	10.2	10.0	mg/L	102	90.0 - 110	127030889
Total Organic Carbon	9.28	10.0	mg/L	92.8	90.0 - 110	127030900
Total Organic Carbon	9.57	10.0	mg/L	95.7	90.0 - 110	127030911
Total Organic Carbon	9.56	10.0	mg/L	95.6	90.0 - 110	127030922

### ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
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Email: Kilgore.ProjectManagement@spillabs.com



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# QUALITY CONTROL



**AZM3-R**

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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*Project*  
**1124553**

Printed 11/18/2024

## ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	19.6	20.0	mg/L	98.0	90.0 - 110	127030873

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Organic Carbon	10.5	10.0	mg/L	105	90.0 - 110	127030875

## LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Organic Carbon	1148248	4.38	5.00	mg/L	87.6	85.0 - 115	127030877
Total Organic Carbon	1148248	5.41	5.00	mg/L	108	85.0 - 115	127030901
Total Organic Carbon	1148248	4.91	5.00	mg/L	98.2	85.0 - 115	127030923

## MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Total Organic Carbon	2354330	10.0	10.1	0.119	10.0	85.0 - 115	98.8	99.8	mg/L	1.01	20.0
Total Organic Carbon	2354331	9.84	9.97	0.209	10.0	85.0 - 115	96.3	97.6	mg/L	1.34	20.0
Total Organic Carbon	2354332	9.68	9.91	0.0829	10.0	85.0 - 115	96.0	98.3	mg/L	2.37	20.0
Total Organic Carbon	2354333	9.99	9.76	0.153	10.0	85.0 - 115	98.4	96.1	mg/L	2.37	20.0

## Standard

<i>Parameter</i>	<i>Sample</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Total Organic Carbon		54.1	50.0	mg/L	108	90.0 - 110	127030872

Analytical Set

**1146918**

**SM 2510 B-2011**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Lab Spec. Conductance at 25 C	1146918	0.988			umhos/cm	126993228

## Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Lab Spec. Conductance at 25 C	2351380	234	234	umhos/cm	0	20.0
Lab Spec. Conductance at 25 C	2352650	6080	6000	umhos/cm	1.32	20.0

## ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lab Spec. Conductance at 25 C	13000	12900	umhos/cm	101	90.0 - 110	126993231

## Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Lab Spec. Conductance at 25 C	1146918	1420	1410	umhos/cm	101	90.0 - 110	126993229
Lab Spec. Conductance at 25 C	1146918	100	100	umhos/cm	100	90.0 - 110	126993230
Lab Spec. Conductance at 25 C	1146918	1420	1410	umhos/cm	101	90.0 - 110	126993243
Lab Spec. Conductance at 25 C	1146918	1410	1410	umhos/cm	100	90.0 - 110	126993252

Analytical Set

**1147586**

**SM 5220 D-2011**

## Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
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Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



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# QUALITY CONTROL



## AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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Project  
**1124553**

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Blank								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>		
Chemical Oxygen Demand	1147586	ND	20.0	20.0	mg/L	127013179		
CCV								
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>	
Chemical Oxygen Demand		415	400	mg/L	104	90.0 - 110	127013180	
Duplicate								
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Chemical Oxygen Demand	2351566		41.4	43.4		mg/L	4.72	20.0
Chemical Oxygen Demand	2352665		28.0	29.9		mg/L	6.56	20.0
LCS								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Chemical Oxygen Demand	1147586	208		200	mg/L	104	90.0 - 110	127013181
Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Chemical Oxygen Demand	2351566	243	43.4	200	mg/L	99.8	80.0 - 120	127013184

Analytical Set 1147870

SM 4500-P E-2011

AWRL/LOQ C											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Phosphorus (as P), total		0.0531	0.060	mg/L	88.5	70.0 - 130	127023094				
Blank											
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>		<i>File</i>				
Phosphorus (as P), total	1147870	ND	0.00311	0.030	mg/L		127023093				
CCV											
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>				
Phosphorus (as P), total		0.315	0.300	mg/L	105	90.0 - 110	127023095				
Phosphorus (as P), total		0.330	0.300	mg/L	110	90.0 - 110	127023110				
Phosphorus (as P), total		0.330	0.300	mg/L	110	90.0 - 110	127023133				
LCS Dup											
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>		<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Phosphorus (as P), total	1147870	0.359	0.358		0.300	80.0 - 120	120	119	mg/L	0.279	20.0
MSD											
<i>Parameter</i>	<i>Sample</i>	<i>MS</i>	<i>MSD</i>	<i>UNK</i>	<i>Known</i>	<i>Limits</i>	<i>MS%</i>	<i>MSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Phosphorus (as P), total	2352334	3.54	3.50	2.13	1.50	70.0 - 130	94.0	91.3	mg/L	2.88	20.0
Phosphorus (as P), total	2352399	0.315	0.308	0.166	0.150	70.0 - 130	99.3	94.7	mg/L	4.81	20.0

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



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# QUALITY CONTROL



AZM3-R

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

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*Project*  
**1124553**

Printed 11/18/2024

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; ICV - Initial Calibration Verification; MRL Check - Minimum Reporting Limit Check Std; LDR - Linear Dynamic Range Standard; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

Email: [Kilgore.ProjectManagement@spillabs.com](mailto:Kilgore.ProjectManagement@spillabs.com)




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1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

**CHAIN OF CUSTODY**

P-UP FEES 0.00 TT  **SPL**  
The Science of Sure  
SUB: ALL CLIENT COCs ON SINGLE PROJECT? YES NO Printed 10/25/2024 Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**112**

Lab Number 2352644  
PO Number Mandatory 4501288570  
Phone 956/383-4911

**Hg Field Blank**

☒ Hand Delivered by Client to Region or LAB

**Matrix: Non-Potable Water**

Sample Collection Start

Date: 11-6-2024 Time: 9:55Sampler Printed Name: J. MartinezSampler Affiliation: SPLSampler Signature: [Signature]Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐**1 Glass /clean metals w/HCl**

NELAC

\*Hgl

Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

2451

Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

**1 Glass/clean metals/Field Blank**

LHGf

LL Mercury Field Blank Prep

CAS:7439-97-6 (28.0 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
11-6-24	1713	Printed Name <u>J. Martinez</u> Affiliation <u>SPL</u>	Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
11-7-24	1030	Printed Name <u>Footley</u> Affiliation <u>[Signature]</u>	Printed Name <u>Andy Owens - SPL, Inc.</u> Affiliation <u>[Signature]</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
		Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u>	Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
		Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u>	Printed Name <u>[Signature]</u> Affiliation <u>[Signature]</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>



1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

## CHAIN OF CUSTODY

P-UP FEE \$ 0.00 TT  
SUB: \_\_\_\_\_  
ALL CLIENTS ON SINGLE PROJECT? YES NO



**SPL**  
The Science of Sure

Printed 10/25/2024 Page 1 of 2

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3 -R**  
**111**

Lab Number 2352619  
PO Number \_\_\_\_\_ Mandatory 4501288570  
Phone \_\_\_\_\_ 956/383-4911

**Hg Trip Blank**

☒ Hand Delivered by Client to Region or LAB

**Matrix: Non-Potable Water**

## Sample Collection Start

Date: 11-6-2024 Time: 10:00

Sampler Printed Name: J. Martinez

Sampler Affiliation: SPL

Sampler Signature: \_\_\_\_\_

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

☒ **Glass /clean metals w/HCl**

NELAC

\*HgI Mercury, Total (low level)

EPA 245.7 2 CAS:7439-97-6 (90.0 days)

NELAC

2451 Low Level Mercury Liquid Metals

EPA 245.7 2 (90.0 days)

☒ **Glass /clean metals/Trip Blank**

LHGt LL Mercury Trip Blank Prep

CAS:7439-97-6 (28.0 days)

## Ambient Conditions/Comments

Date	Time	Relinquished	Received
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
11-6-24	17:30	Printed Name _____ Affiliation <u>SPL</u>	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
11-7-24	10:30	Printed Name <u>Andy Owens</u> Affiliation <u>SPL, Inc.</u>	Printed Name <u>Andy Owens - SPL, Inc.</u> Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____





1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914

CLIENT COCs ON SINGLE  
SUBJECT? • YES NO



**SPL**  
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Page 1 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541

**AZM3-R**  
**102**

Lab Number 2352650  
PO Number Mandatory 4501126749  
Phone 956/383-4911

## Permit Renew

☒ Hand Delivered by Client to Region or LAB

### Matrix: Non-Potable Water

#### Sample Collection Start

Date: 11-6-2024 Time: 10:10

Sampler Printed Name: Jal Martinez

Sampler Affiliation: SPL

Sampler Signature: [Signature]

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biological Hazard? ☐

0 On Site Testing

Click Field C12 Check for CNa

#### Field C12 Check for CNa

Collected By JM2 Date 11-6-24 Time 10:10 Analyzed By JM2 Date 11-6-24 Time 10:22  
Results Negative sm Units mg/L Temp. — C Duplicate Negative sm Units mg/L Temp. — C  
R1 0.0 R2 0.0 QCR1 0.0 QCR2 0.0

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

#### Hex Cr, Field Preservation

Collected By JM2 Date 11-6-24 Time 10:10 Analyzed By JM2 Date 11-6-24 Time 10:10

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)



1124553 CoC Print Group 001 of 001

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Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
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Page 2 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-

**AZM3-R**  
**102**

## Dissolved Oxygen Onsite

Collected By Jm2 Date 11-6-24 Time 10:10 Analyzed By Jm2 Date 11-6-24 Time 10:15

Results 1.47 Units mg/L Temp. 47° C Duplicate 1.54 Units mg/L Temp. 48.5° C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

## pH (Onsite)

Collected By Jm2 Date 11-6-24 Time 10:10 Analyzed By Jm2 Date 11-6-24 Time 10:12

Results 11:28 Units 5.0 Temp. 58.2 C Duplicate 11:18 Units 5.0 Temp. 56.5° C

S2Ck Field Sulfide Check for CNa

## Field Sulfide Check for CNa

Collected By Jm2 Date 11-6-24 Time 10:10 Analyzed By Jm2 Date 11-6-24 Time 10:23

Results Neg Units — Temp. — C Duplicate Neg Units — Temp. — C  
R1 — R2 — QC R1 — QC R2 —

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)

## Temperature (onsite)

Collected By Jm2 Date 11-6-24 Time 10:10 Analyzed By Jm2 Date 11-6-24 Time 10:12

Results 58.2 Units °C Duplicate 56.5 Units °C

2 H2SO4 to pH <2 GIQt w/Tef-lined lid



1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
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# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

HEM Oil and Grease (HEM) EPA 1664B (HEM) (28.0 days)

## 1 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid

NELAC TOCL Total Organic Carbon SM 5310 C-2014 (28.0 days)

## 1 Polyethylene 1/2 gal (White)

NELAC **Short Hold** BOD Biochemical Oxygen Demand (BOD5) SM 5210 B-2016 CAS:1026-3 (2.04 days)  
NELAC **Short Hold** BODc BOD Carbonaceous SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)  
SARL Sodium Adsorption Ratio - Liquid 600/2-78-054 3.2.19 (5.00 days)  
NELAC TSS Total Suspended Solids SM 2540 D-2015 (7.00 days)

## 0 Z -- No bottle required

NELAC **Short Hold** Cr+3 Trivalent Chromium Calculation CAS:16065-83-1 (1.00 days)  
GTMS Transfer to ICP/MS  
HgKt LL Mercury Test Prep  
P150 Pickup/Sampling/Transport

## 1 HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC \*AgM Silver, Total EPA 200.8 5.4 CAS:7440-22-4 (180 days)  
NELAC \*AlM Aluminum, Total EPA 200.8 5.4 CAS:7429-90-5 (180 days)  
NELAC \*AsM Arsenic, Total EPA 200.8 5.4 CAS:7440-38-2 (180 days)  
NELAC \*BaM Barium, Total EPA 200.8 5.4 CAS:7440-39-3 (180 days)  
NELAC \*BeM Beryllium, Total EPA 200.8 5.4 CAS:7440-41-7 (180 days)  
NELAC \*BI Boron EPA 200.7 4.4 CAS:7440-42-8 (180 days)  
NELAC \*CdM Cadmium, Total EPA 200.8 5.4 CAS:7440-43-9 (180 days)  
NELAC \*CrM Chromium, Total EPA 200.8 5.4 CAS:7440-47-3 (180 days)  
NELAC \*CuM Copper, Total EPA 200.8 5.4 CAS:7440-50-8 (180 days)  
NELAC \*NiM Nickel, Total EPA 200.8 5.4 CAS:7440-02-0 (180 days)  
NELAC \*PbM Lead, Total EPA 200.8 5.4 CAS:7439-92-1 (180 days)  
NELAC \*SbM Antimony, Total EPA 200.8 5.4 CAS:7440-36-0 (180 days)  
NELAC \*SeM Selenium, Total EPA 200.8 5.4 CAS:7782-49-2 (180 days)



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78521

1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
NELAC

**AZM3-R**  
**102**

NELAC	*TIM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
<b>1 HNO3 to pH &lt;2 Polyethylene 250 mL/AFTER filtration</b>			
NELAC	*CaD	Dissolved Calcium	EPA 200.7, Rev. 4.4 CAS:7440-70-2 (5.00 days)
NELAC	*MgD	Dissolved Magnesium	EPA 200.7, Rev. 4.4 CAS:7439-95-4 (5.00 days)
NELAC	*NaD	Dissolved Sodium	EPA 200.7, Rev. 4.4 CAS:7440-23-5 (5.00 days)
<b>2 H2SO4 to pH &lt;2 250 ml Polyethylene</b>			
NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NHaN	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
NELAC	TPWB	Phosphorus (as P), total	SM 4500-P E-2011 CAS:7723-14-0 (28.0 days)
<b>1 Glass Qt</b>			
	*SAR	Sodium Adsorption Ratio Extract	(180 days)
<b>1 Glass /clean metals w/HCl</b>			
NELAC	*HgI	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)
<b>1 NaOH to pH &gt;12 Polyethylene 250 mL/amber</b>			
NELAC	CNa	Cyanide, total	SM 4500-CN <sup>-</sup> E-2016 (14.0 days)
<b>1 Polyethylene Quart</b>			
NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	IFIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC <b>Short Hold</b>	IN3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	CONL	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)



RGV Region: 2401 Village Dr. Suite C Brownsville, TX 78520

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1124553 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662  
Office: 903-984-0551 \* Fax: 903-984-5914



**SPL**  
The Science of Sure

Printed 10/25/2024

Page 5 of 5

# CHAIN OF CUSTODY

Azteca Milling, LP  
Juan Martinez  
P. O. Box 141  
Edinburg, TX 78541-  
**Short Hold**

**AZM3-R**  
**102**

NELAC

DMF Dissolved Metals Filtering

SM 3030 B-2004 (0.0104 days)

TDS Total Dissolved Solids

SM 2540 C-2015 (7.00 days)

**1** **Cr+6 Preserved 250 Polyethylene**

NELAC **Short Hold**

Cr+6 Hexavalent Chromium

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished		Received	
11-6-24	17:30	Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	FEDEX
11-7-24	10:30	Printed Name	Affiliation	Printed Name	Andy Owens - SPL, Inc.
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	

Sample Received on Ice? ☒ Yes ☐ NoCooler/Sample Secure? ☒ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or Z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



fedex.com 1.800.GoFedEx 1.800.463.333

Report Page 43 of 43



City of Corpus Christi  
Water Utilities Laboratory  
13101 Leopard Street  
361-826-1200 Fax: 361-242-9131

## Analytical Report



<b>Client Info</b> SPL-INC 2600 Dudley Rd. Kilgore, TX 75662				<b>Report# /Lab ID#:</b> AC43529 <b>Sample Name:</b> PERMIT RENEW <b>Date Received:</b> 10/30/2024 <b>Date Sampled:</b> 10/30/2024 <b>Report Date:</b> 10/31/24 <b>Time:</b> 13:41 <b>Time:</b> 09:45				
<b>Phone:</b>				<b>EMAIL:</b> Kilgore.Projectmanagement@spla				
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL's</b>	<b>Date/Time Analyzed</b>	<b>Method</b>	<b>Analyst</b>	<b>Analysis Comments</b>
Fecal Coliform MPN	<10.0	MPN	D		10/30/24 14:34	Colliert 18	VP/MS	
<b>Sample Comments:</b>								

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

*Cristal Ybanez*

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:
  - N=Analysis not performed as per client request. H=Sample exceeded holding time. P=Analysis is from an unpreserved sample. J=Value reported is less than the RL but greater than the MDL .
  - X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. LA=Lab accident. LE=Lab error. OA=Outside the scope of the lab's NELAC accreditation.
  - U=Unsuitable; sample turned turbid after incubation. T=Sample below temp requirement; not on ice. EQ=Equipment failure. I=Information on sample bottle and COC does not match.
  - S=Slow to filter; sample contains floc and/or large amount of residue on filter. O=Analysis performed by an outside NELAC accredited lab; O\*=Analysis flagged by outside laboratory.
  - Z=Too many colonies present to provide a result (TNTC). A=Value reported is the mean of two or more determinations. R=Reagent water contamination suspected. B=Sample broken in transit.
  - NI=Not analyzed due to interferences. K=BOD result estimated due to blank exceeding the allowable oxygen depletion. D=Sample dilution required for analysis/ quality control.
  - SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. QB=No QC data assigned to sample; sample result not affected.
  - EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
  - EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
  - E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

**SPL LABS**

Client Name: \_\_\_\_\_ SPL LABS  
Address: \_\_\_\_\_ 2600 Dudley Rd.  
City: \_\_\_\_\_ Kilgore State: TX Zip: 75662  
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914

Send Email reports to: [kilgore.projectmanagement.spllabs.com](mailto:kilgore.projectmanagement.spllabs.com)  
cc: [joel.manjarrez@spllabs.com](mailto:joel.manjarrez@spllabs.com)

AZM3

City of  
Corpus  
Christi

**Water Utilities Laboratory**  
13101 Leopard St.  
Corpus Christi, TX 78410  
Ph: (361) 826-1200  
Fax: (361) 242-9131

[illegible]

Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 11:21	Special Instructions/Comments:  Other: -
Received By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 11:21	
Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Received By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	<p>***** For Laboratory Use Only *****</p> <p>Sample(s) on Ice: YES <input checked="" type="radio"/> NO <input type="radio"/></p> <p>pH Strip Lot/ ID: <i>8-1</i></p> <p>pH &lt; 7? YES <input type="radio"/> NO <input checked="" type="radio"/> Line(s): <i>8-1</i></p> <p>Data Flag(s): <i>8-1</i></p>
Received By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Received By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	
Relinquished By: <i>Paul Murphy</i>	Date: 10/30/24	Time: 1347	



Attachment G  
Engineering Report

# AZTECA MILLING EDINBURG TEXAS PLANT

## WATER BALANCE

(inches of water per acre of irrigated area)

CN =	71	Pond area	1.4 Ac	Plant Capacity	300000 gpd	Maximum Conductivity					9
S =	4.08	Irrg Area	165 Ac	Irrg. Efficiency	0.85						
<i>I</i>	2	3	4	5	6A	6B	7	8	9	10	11
Month	Average Precip <sup>(1)</sup>	Average Runoff <sup>(2)</sup>	Average Infiltrated Rainfall	Evapotran spiration <sup>(3)</sup>	Ce <sup>(4)</sup> (mmhos/cm)	Required Leaching	Total Water Needs	Effluent Needed in Root Zone	Evaporation from Reservoir Surface	Effluent to be Applied to Land	Consumption from Reservoir
JAN	1.11	0.02	1.09	2.95	3.87	1.40	4.35	3.26	0.02	3.84	3.86
FEB	1.15	0.03	1.13	3.30	3.85	1.62	4.92	3.80	0.03	4.47	4.49
MAR	0.85	0.00	0.85	4.78	4.41	3.77	8.55	7.70	0.04	9.06	9.10
APR	1.32	0.06	1.27	5.52	4.60	4.44	9.96	8.69	0.05	10.22	10.27
MAY	2.41	0.45	1.96	6.38	4.49	4.39	10.77	8.81	0.05	10.36	10.41
JUN	2.46	0.47	1.99	6.83	4.33	4.49	11.32	9.33	0.06	10.98	11.04
JUL	1.71	0.16	1.55	7.55	4.87	7.09	14.64	13.09	0.07	15.39	15.46
AUG	2.02	0.28	1.75	7.32	5.23	7.72	15.04	13.29	0.07	15.64	15.70
SEP	4.11	1.47	2.64	6.01	5.30	4.82	10.83	8.19	0.05	9.63	9.68
OCT	2.49	0.48	2.00	5.14	5.11	4.13	9.27	7.26	0.04	8.55	8.59
NOV	1.05	0.01	1.03	3.74	4.80	3.09	6.83	5.80	0.03	6.82	6.85
DEC	1.04	0.01	1.03	3.07	2.74	0.89	3.96	2.93	0.02	3.45	3.47
Total	21.74	3.44	18.30	62.59	53.60	47.86	110.45	92.15	0.53	108.41	108.95

(1) Texas Water Development Board Monthly Precipitation Data, Average 1940 - 2013

(2) "Urban Hydrology for Small Watersheds," USDA TR-55, June 1986; Table 2-2c, assumes sandy clay loam

(3) "Mean Crop Consumptive Use and Free-Water Evaporation for Texas," Department of Civil Engineering Texas Tech University, February 1998; Table 5

(4) Azteca Milling, L.P., Water Monitoring Log 2013

# AZTECA MILLING EDINBURG TEXAS PLANT STORAGE VOLUME CALCULATION

(inches of water per acre of irrigated area)

CN =	71	Pond area	1.4 Ac	Plant Capacity	300000 gpd	
S =	4.08	Irrg Area	165 Ac	Irrg. Efficiency	0.85	CI
						9

12	13	14	15	16	17	18	19	20
	Effluent Received for Application or Storage	Rainfall Worst Year in Past 25 Years - 2003 <sup>(1)</sup>	Runoff Worst Year in Past 25 Years	Infiltrated Rainfall	Available Water	Net 25 Year Low Evaporation form Reservoir Surface - 2010 <sup>(1)</sup>	Storage (in- ac/ac)	Accumulated Storage (in- ac/ac)
JAN	2.04	0.85	0.00	0.85	2.89	0.02	-2.10	0.00
FEB	2.04	2.00	0.27	1.73	3.77	0.02	-1.74	0.00
MAR	2.04	1.18	0.03	1.15	3.19	0.04	-6.71	0.00
APR	2.04	1.23	0.04	1.19	3.23	0.04	-8.31	0.00
MAY	2.04	0.57	0.02	0.55	2.59	0.05	-10.03	0.00
JUN	2.04	1.94	0.24	1.70	3.73	0.06	-9.35	0.00
JUL	2.04	2.91	0.71	2.20	4.24	0.04	-12.63	0.00
AUG	2.04	2.39	0.44	1.95	3.99	0.06	-13.42	0.00
SEP	2.04	9.31	5.74	3.57	5.61	0.04	-6.54	0.00
OCT	2.04	7.95	4.54	3.41	5.45	0.04	-4.88	0.00
NOV	2.04	2.01	0.27	1.74	3.78	0.03	-3.98	0.00
DEC	2.04	0.02	0.19	-0.17	1.86	0.02	-2.85	0.00
Total	24.44	32.36	12.47	19.89	44.33	0.44	-82.54	0.00

<b>MAXIMUM STORAGE REQUIREMENT =</b>	<b>0.00 inch/irrigated acre</b> <b>0.00 ac-ft</b>
--------------------------------------	--

- (1) Texas Water Development Board Monthly Precipitation Data, Average 1940 - 2013  
(2) "Urban Hydrology for Small Watersheds," USDA TR-55, June 1986; Table 2-2c, assumes sandy clay loam  
(3) "Mean Crop Consumptive Use and Free-Water Evaporation for Texas," Department of Civil Engineering Texas Tech University, February 1998; Table 5  
(4) Azteca Milling, L.P., Water Monitoring Log 2013

# AZTECA MILLING EDINBURG TEXAS PLANT

## NITROGEN BALANCE

$$L = \frac{N}{2.7C}$$

where,

L = annual liquid loading - feet/year

C = effluent nitrogen concentration - mg/l

N = annual crop requirement of nitrogen plus 20% volatilization pound/acre/year

N = 400 lbs/acre/year

20 %

480 lbs/acre/year

C = 17.4 mg/l (Average of Nitrogen Effluent Monitoring (1/2013 thru 5/2014))

L = 10.2 feet/year

Attachment H  
Core Data Form



# TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other <b>NO CHANGES</b>
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600127914		RN 103014783

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<b>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</b>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Azteca Milling LP					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
0009104610		32036360611		74-2795097	874253891
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing</b>					
501 W Chapin St					
<b>Address:</b>		<b>State</b>	<b>TX</b>	<b>ZIP</b>	<b>ZIP + 4</b>
City		Edinburg		78541	2412
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
<b>18. Telephone Number</b>				<b>19. Extension or Code</b>	
				<b>20. Fax Number</b> (if applicable)	

(   )   -		(   )   -
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**SECTION III: Regulated Entity Information**

<b>21. General Regulated Entity Information</b> <i>(If "New Regulated Entity" is selected, a new permit application is also required.)</i>								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
<b>22. Regulated Entity Name</b> <i>(Enter name of the site where the regulated action is taking place.)</i>								
Azteca Milling								
<b>23. Street Address of the Regulated Entity:</b>  <i>(No PO Boxes)</i>	501 W Chapin St							
	<b>City</b>	Edinburg	<b>State</b>	TX	<b>ZIP</b>	78541	<b>ZIP + 4</b>	2412
<b>24. County</b>	Hidalgo							

If no Street Address is provided, fields 25-28 are required.

<b>25. Description to Physical Location:</b>							
<b>26. Nearest City</b>	<b>State</b>				<b>Nearest ZIP Code</b>		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
<b>27. Latitude (N) In Decimal:</b>				<b>28. Longitude (W) In Decimal:</b>			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
<b>29. Primary SIC Code</b>	<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>		<b>32. Secondary NAICS Code</b>		
(4 digits)	(4 digits)		(5 or 6 digits)		(5 or 6 digits)		
<b>33. What is the Primary Business of this entity?</b> <i>(Do not repeat the SIC or NAICS description.)</i>							
<b>34. Mailing Address:</b>							
	<b>City</b>		<b>State</b>		<b>ZIP</b>		<b>ZIP + 4</b>
<b>35. E-Mail Address:</b>							
<b>36. Telephone Number</b>		<b>37. Extension or Code</b>		<b>38. Fax Number</b> <i>(if applicable)</i>			
(   )   -				(   )   -			

**39. TCEQ Programs and ID Numbers** Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

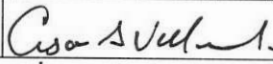
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Francisco Barrera			<b>41. Title:</b>	Corn Operations Assistant Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 956 ) 383-9669	4669	(   ) -	frbarrera@aztecamilling.com		

#### **SECTION V: Authorized Signature**

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

<b>Company:</b>	Azteca Milling L.P.		<b>Job Title:</b>	Corn Operation Manager	
<b>Name (In Print):</b>	Cesar G. Villarreal			<b>Phone:</b>	( 956 ) 383-4911
<b>Signature:</b>				<b>Date:</b>	12/19/24



Attachment I

Plain Language Summary



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Azteca Milling, L.P., (CN600127914) operates Edinburg Plant (RN103014783), a corn milling plant. The facility is located at 501 W. Chapin St., in Edinburg, Hidalgo County, Texas 78541. This application is for a renewal 300,000 gallons per day via irrigation of 165 acres of coastal Bermuda grass. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (BOD5), Nitrogen, Sodium, and Total Suspended Solids (TSS). Process wastewater from washing and cooking of whole corn combined with lime (calcium hydroxide) is treated by a system of hydra sieves for solids removal and/or are stored in two storage lagoons when conditions are not favorable for irrigation.

## PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

### AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

*El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.*

Azteca Milling, L.P. (CN600127914) opera Edinburg Plant (RN103014783), una planta de molienda de maíz. La instalación está ubicada en 501 W. Chapin St., en Edinburg, Condado de Hidalgo, Texas 78541. Esta solicitud es para la renovación 300,000 galones por día a través del riego del permiso para regar 165 acres de pasto Bermuda costero. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan Demanda Bioquímica de Oxígeno, Nitrógeno, Sodio y Sólidos Suspendidos Totales. Las aguas residuales del proceso de lavado y cocción del maíz entero combinadas con cal (hidróxido de calcio). está tratado por mediante un sistema de tamices hidráulicos para la eliminación de sólidos y/o se almacenan en dos lagunas de almacenamiento cuando las condiciones no son favorables para el riego.