

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : W.T.P. FINAL EFFLUENT 2025

MARS CHOCOLATE NORTH AMERICA, LLC

700 High Street

Hackettstown, NJ - 07840

Phone No: 979-361-7196

ORDER ID : Q2525

ATTENTION : Anthony Fosco



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2525

Project ID : W.T.P. Final Effluent 2025

Client : Mars Chocolate North America, LLC

Lab Sample Number

Q2525-01
Q2525-02

Client Sample Number

EFFLUENT-COMPOSITE
EFFLUENT-GRAB

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Mars Chocolate North America, LLC

Project Name: W.T.P. Final Effluent 2025

Project # N/A

Order ID # Q2525

Test Name: Ammonia,BOD Soluble,BOD5,COD,Color,Oil and Grease,Phosphorus-Total,TDS,TPH,TSS

A. Number of Samples and Date of Receipt:

2 Water samples were received on 07/08/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia,BOD Soluble,BOD5,COD,Color,Oil and Grease,Phosphorus-Total, TDS, TPH,TSS. This data package contains results for Ammonia,BOD Soluble, BOD5, COD, Color, Oil and Grease, Phosphorus-Total, TDS, TPH, TSS.

C. Analytical Techniques:

The analysis of Oil and Grease,TPH was based on method 1664A, The analysis of Phosphorus-Total was based on method 365.3, The analysis of Color was based on method SM2120 B, The analysis of TDS was based on method SM2540 C, The analysis of TSS was based on method SM2540 D, The analysis of Ammonia was based on method SM4500-NH3, The analysis of BOD Soluble,BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample EFFLUENT-COMPOSITE was diluted due to high concentrations for Phosphorus, Total.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

Sample Q2525-01 was analyzed with 10x dilution for Color parameter due to client history of high results.

Due to bad matrix and client history 1ML was taken as an initial volume for Q2525-01 Ammonia test.

As per method 1664A, MS/MSD (Oil and Grease) is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q2525 therefore Lab reported MS-MSD from Q2570.

As per method 1664A (TPH), MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2525

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/17/2025



SAMPLE DATA

Report of Analysis

Client:	Mars Chocolate North America, LLC	Date Collected:	07/08/25 05:00
Project:	W.T.P. Final Effluent 2025	Date Received:	07/08/25
Client Sample ID:	EFFLUENT-COMPOSITE	SDG No.:	Q2525
Lab Sample ID:	Q2525-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	42.8		1	1.50	5.00	mg/L	07/08/25 15:50	07/09/25 10:43	SM 4500-NH3 B plus G-21
BOD Soluble	81.6		1	0.20	2.00	mg/L		07/09/25 16:40	SM 5210 B-16
BOD5	87.6		1	0.20	2.00	mg/L		07/09/25 16:40	SM 5210 B-16
COD	123		1	1.50	10.0	mg/L		07/15/25 12:12	SM 5220 D-11
Apparent Color	700	D	10	50.0	50.0	cu		07/09/25 09:25	SM 2120 B-21
Phosphorus, Total	1.87	OR	1	0.0050	0.050	mg/L	07/09/25 09:50	07/09/25 14:24	365.3
TDS	3830		1	1.00	10.0	mg/L		07/08/25 17:30	SM 2540 C-20
TSS	53.3		1	1.00	4.00	mg/L		07/10/25 10:00	SM 2540 D-20

Comments: Apparent color result reported at pH 7.87

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Mars Chocolate North America, LLC	Date Collected:	07/08/25 05:00
Project:	W.T.P. Final Effluent 2025	Date Received:	07/08/25
Client Sample ID:	EFFLUENT-COMPOSITEDL	SDG No.:	Q2525
Lab Sample ID:	Q2525-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	7.06	D	10	0.045	0.50	mg/L	07/09/25 09:50	07/09/25 14:27	365.3

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Mars Chocolate North America, LLC	Date Collected:	07/08/25 05:00
Project:	W.T.P. Final Effluent 2025	Date Received:	07/08/25
Client Sample ID:	EFFLUENT-GRAB	SDG No.:	Q2525
Lab Sample ID:	Q2525-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	0.50	J	1	0.29	5.00	mg/L		07/11/25 09:25	1664A
TPH	0.30	J	1	0.29	5.00	mg/L		07/11/25 10:00	1664A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

RunNo.: LB136405

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	07/09/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.94	1	94	90-110	07/09/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.96	1	96	90-110	07/09/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	07/09/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.96	1	96	90-110	07/09/2025
Sample ID: CCV5 Ammonia as N	mg/L	0.99	1	99	90-110	07/09/2025

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

RunNo.: LB136411

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.531	0.50	106	90-110	07/09/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.490	0.50	98	90-110	07/09/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.507	0.50	101	90-110	07/09/2025
Sample ID: CCV3 Phosphorus, Total	mg/L	0.499	0.50	100	90-110	07/09/2025

A

B

C

D

E

F

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

RunNo.: LB136477

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.962	50	102	95-105	05/28/2025
Sample ID: CCV1 COD	mg/L	47.915	50	96	95-105	07/15/2025
Sample ID: CCV2 COD	mg/L	48.931	50	98	95-105	07/15/2025
Sample ID: CCV3 COD	mg/L	49.946	50	100	95-105	07/15/2025

A

B

C

D

E

F

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

RunNo.: LB136405

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB5 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025

SDG No.: Q2525
RunNo.: LB136411

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB3 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	07/09/2025

A

B

C

D

E

F

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025

SDG No.: Q2525
RunNo.: LB136477

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025
Sample ID: CCB3 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025

A

B

C

D

E

F

Preparation Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136401BL TDS	mg/L	< 5.0000	5.0000	U	1.0	10	07/08/2025
Sample ID: LB136402BL Apparent Color	cu	< 2.5000	2.5000	U	5.0	5.0	07/09/2025
Sample ID: LB136412BL BOD Soluble	mg/L	< 1.0000	1.0000	U	0.20	2	07/09/2025
Sample ID: LB136413BL BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	07/09/2025
Sample ID: LB136419BL TSS	mg/L	1	2.0000	J	1	4	07/10/2025
Sample ID: LB136432BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	07/11/2025
Sample ID: LB136433BL TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	07/11/2025
Sample ID: LB136477BL COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	07/15/2025
Sample ID: PB168758BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	07/09/2025
Sample ID: PB168769BL Phosphorus, Total	mg/L	0.005	0.0250	J	0.005	0.05	07/09/2025

Matrix Spike Summary

Client:

Mars Chocolate North America, LLC

SDG No.:

Q2525

Project:

W.T.P. Final Effluent 2025

Sample ID:

Q2470-01

Client ID:

SW-1MS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.66		0.18		0.5	1	95		07/09/2025

Matrix Spike Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Sample ID: Q2470-01

Client ID: SW-1MSD

Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.66		0.18		0.5	1	95		07/09/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2512-01
Client ID:	WATER TREATMENT DISCHARGEMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	3.20	OR	2.20	OR	1	1	100		07/09/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2512-01
Client ID:	WATER TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	3.10	OR	2.20	OR	1	1	90		07/09/2025

Matrix Spike Summary

Client:

Mars Chocolate North America, LLC

SDG No.:

Q2525

Project:

W.T.P. Final Effluent 2025

Sample ID:

Q2570-01

Client ID:

EFFLUENTMS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	53.7		33.6		20.0	1	101		07/11/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2570-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	53.8		33.6		20.0	1	101		07/11/2025

Matrix Spike Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Sample ID: Q2602-01

Client ID: FRAC-TANK-266380MS

Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	46.9		1.50	U	50.0	1	94		07/15/2025

Matrix Spike Summary

Client:

Mars Chocolate North America, LLC

SDG No.:

Q2525

Project:

W.T.P. Final Effluent 2025

Sample ID:

Q2602-01

Client ID:

FRAC-TANK-266380MSD

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	47.9		1.50	U	50.0	1	96		07/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	LB136433BS
Client ID:	LB136433BSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TPH	mg/L	+/-18	17.0		17.1		1	0.59		07/11/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2470-01
Client ID:	SW-1DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Phosphorus, Total	mg/L	+/-20	0.18		0.19		1	1.63		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2470-01
Client ID:	SW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Phosphorus, Total	mg/L	+/-20	0.66		0.66		1	0.46		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2512-01
Client ID:	WATER-TREATMEN DISCHARGEDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	2.20	OR	2.30	OR	1	4		07/09/2025
Ammonia as N	mg/L	+/-20	2.40	D	2.40	D	2	0		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2512-01
Client ID:	WATER TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	3.20	OR	3.10	OR	1	3		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2525-01
Client ID:	EFFLUENT-COMPOSITEDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TDS	mg/L	+/-5	3830		3820		1	0.1		07/08/2025
BOD Soluble	mg/L	+/-20	81.6		82.5		1	1.1		07/09/2025
TSS	mg/L	+/-5	53.3		52.8		1	0.94		07/10/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2525-01DL
Client ID:	EFFLUENT-COMPOSITEDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Apparent Color	cu	+/-20	700	D	700	D	10	0		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2548-02
Client ID:	COMPDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
BOD5	mg/L	+/-20	682		709		1	3.88		07/09/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2570-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	53.7		53.8		1	0.19		07/11/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2602-01
Client ID:	FRAC-TANK-266380DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
COD	mg/L	+/-20	1.50	U	1.50	U	1	0		07/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q2602-01
Client ID:	FRAC-TANK-266380MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
COD	mg/L	+/-20	46.9		47.9		1	2.11		07/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Run No.: LB136401

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136401BS							
TDS	mg/L	100	95.0		95	1	90-110	07/08/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136412

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136412BS							
BOD Soluble	mg/L	198	205		104	1	84.6-115.4	07/09/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Run No.: LB136413

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136413BS							
BOD5	mg/L	198	212		107	1	84.6-115.4	07/09/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136419

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136419BS							
TSS	mg/L	550	533		97	1	90-110	07/10/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136432

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136432BS							
Oil and Grease	mg/L	20.0	16.8		84	1	78-114	07/11/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136433

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136433BS							
TPH	mg/L	20.0	17.0		85	1	78-114	07/11/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136433

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136433BSD							
TPH	mg/L	20.0	17.1		86	1	78-114	07/11/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Run No.: LB136477

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136477BS							
COD	mg/L	50	51.0		102	1	90-110	07/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q2525
Project:	W.T.P. Final Effluent 2025	Run No.:	LB136405

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168758BS							
Ammonia as N	mg/L	1	0.99		99	1	90-110	07/09/2025

A

B

C

D

E

F

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

Run No.: LB136411

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168769BS							
Phosphorus, Total	mg/L	0.50	0.50		100	1	90-110	07/09/2025

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB136401

Review By	jignesh	Review On	7/9/2025 12:15:27 PM
Supervise By	Iwona	Supervise On	7/9/2025 12:23:35 PM
SubDirectory	LB136401	Test	TDS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB136401BL	LB136401BL	MB	07/08/25 17:30		jignesh	OK
2	LB136401BS	LB136401BS	LCS	07/08/25 17:30		jignesh	OK
3	Q2525-01	EFFLUENT-COMPOS	SAM	07/08/25 17:30		jignesh	OK
4	Q2525-01DUP	EFFLUENT-COMPOS	DUP	07/08/25 17:30		jignesh	OK

Instrument ID: NESSLER TUBES

Daily Analysis Runlog For Sequence/QC Batch ID # LB136402

Review By	Iwona	Review On	7/9/2025 10:41:03 AM
Supervise By	jignesh	Supervise On	7/10/2025 1:17:37 PM
SubDirectory	LB136402	Test	Color
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB136402BL	LB136402BL	MB	07/09/25 09:20		Iwona	OK
2	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 09:25		Iwona	OK
3	Q2525-01DUP	EFFLUENT-COMPOS	DUP	07/09/25 09:30		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	07/09/25 09:20		rubina	OK
2	0.1PPM	0.1PPM	CAL2	07/09/25 09:20		rubina	OK
3	0.2PPM	0.2PPM	CAL3	07/09/25 09:20		rubina	OK
4	0.4PPM	0.4PPM	CAL4	07/09/25 09:21		rubina	OK
5	1.0PPM	1.0PPM	CAL5	07/09/25 09:21		rubina	OK
6	1.3PPM	1.3PPM	CAL6	07/09/25 09:21		rubina	OK
7	2.0PPM	2.0PPM	CAL7	07/09/25 09:21		rubina	OK
8	ICV1	ICV1	ICV	07/09/25 10:03		rubina	OK
9	ICB1	ICB1	ICB	07/09/25 10:03		rubina	OK
10	CCV1	CCV1	CCV	07/09/25 10:03		rubina	OK
11	CCB1	CCB1	CCB	07/09/25 10:03		rubina	OK
12	RL	RL	SAM	07/09/25 10:03		rubina	OK
13	PB168757BL	PB168757BL	MB	07/09/25 10:14		rubina	OK
14	PB168757BS	PB168757BS	LCS	07/09/25 10:14		rubina	OK
15	Q2487-09	G4(0-6)	SAM	07/09/25 10:14		rubina	OK
16	Q2487-09DUP	G4(0-6)DUP	DUP	07/09/25 10:14		rubina	OK
17	Q2487-09MS	G4(0-6)MS	MS	07/09/25 10:14		rubina	OK
18	Q2487-09MSD	G4(0-6)MSD	MSD	07/09/25 10:14		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

19	Q2487-10	G4(6-12)	SAM	07/09/25 10:14		rubina	OK
20	Q2487-11	G3(0-6)	SAM	07/09/25 10:14		rubina	OK
21	Q2487-12	G3(6-12)	SAM	07/09/25 10:25		rubina	OK
22	CCV2	CCV2	CCV	07/09/25 10:25		rubina	OK
23	CCB2	CCB2	CCB	07/09/25 10:25		rubina	OK
24	Q2487-13	G2(0-6)	SAM	07/09/25 10:25		rubina	OK
25	Q2487-14	G2(6-12)	SAM	07/09/25 10:25		rubina	OK
26	Q2487-15	G1(0-6)	SAM	07/09/25 10:25		rubina	OK
27	Q2487-16	G1(6-12)	SAM	07/09/25 10:25		rubina	OK
28	PB168758BL	PB168758BL	MB	07/09/25 10:25		rubina	OK
29	PB168758BS	PB168758BS	LCS	07/09/25 10:36		rubina	OK
30	Q2512-01	WATER TREATMENT	SAM	07/09/25 10:36	High	rubina	Dilution
31	Q2512-01DUP	WATER TREATMENT	DUP	07/09/25 10:36	High	rubina	Dilution
32	Q2512-01MS	WATER TREATMENT	MS	07/09/25 10:36		rubina	OK
33	Q2512-01MSD	WATER TREATMENT	MSD	07/09/25 10:36		rubina	OK
34	CCV3	CCV3	CCV	07/09/25 10:36		rubina	OK
35	CCB3	CCB3	CCB	07/09/25 10:36		rubina	OK
36	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 10:43		rubina	OK
37	CCV4	CCV4	CCV	07/09/25 10:43		rubina	OK
38	CCB4	CCB4	CCB	07/09/25 10:43		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

39	Q2512-01DL	WATER TREATMENT	SAM	07/09/25 11:04	Report 2X	rubina	Confirms
40	Q2512-01DUPDL	WATER TREATMENT	DUP	07/09/25 11:04	Report 2X	rubina	Confirms
41	CCV5	CCV5	CCV	07/09/25 11:04		rubina	OK
42	CCB5	CCB5	CCB	07/09/25 11:04		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136411

Review By	Iwona	Review On	7/9/2025 2:53:52 PM
Supervise By	jignesh	Supervise On	7/9/2025 2:58:08 PM
SubDirectory	LB136411	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113871,WP113870,WP113869,WP113868,WP113867,WP113866,WP113872,WP112831,WP113877,WP113378,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	07/09/25 14:15		Iwona	OK
2	CAL2	CAL2	CAL	07/09/25 14:15		Iwona	OK
3	CAL3	CAL3	CAL	07/09/25 14:16		Iwona	OK
4	CAL4	CAL4	CAL	07/09/25 14:16		Iwona	OK
5	CAL5	CAL5	CAL	07/09/25 14:17		Iwona	OK
6	CAL6	CAL6	CAL	07/09/25 14:17		Iwona	OK
7	ICV	ICV	ICV	07/09/25 14:18		Iwona	OK
8	ICB	ICB	ICB	07/09/25 14:18		Iwona	OK
9	CCV1	CCV1	CCV	07/09/25 14:19		Iwona	OK
10	CCB1	CCB1	CCB	07/09/25 14:19		Iwona	OK
11	RL Check	RL Check	RL	07/09/25 14:20		Iwona	OK
12	PB168769BL	PB168769BL	MB	07/09/25 14:20		Iwona	OK
13	PB168769BS	PB168769BS	LCS	07/09/25 14:21		Iwona	OK
14	Q2470-01	SW-1	SAM	07/09/25 14:21		Iwona	OK
15	Q2470-01DUP	SW-1DUP	DUP	07/09/25 14:22		Iwona	OK
16	Q2470-01MS	SW-1MS	MS	07/09/25 14:22		Iwona	OK
17	Q2470-01MSD	SW-1MSD	MSD	07/09/25 14:23		Iwona	OK
18	Q2471-01	SW-1	SAM	07/09/25 14:23		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136411

Review By	Iwona	Review On	7/9/2025 2:53:52 PM
Supervise By	jignesh	Supervise On	7/9/2025 2:58:08 PM
SubDirectory	LB136411	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113871,WP113870,WP113869,WP113868,WP113867,WP113866,WP113872,WP112831,WP113877,WP113378,V		

19	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 14:24		Iwona	OK
20	Q2536-01	RW5-SP100-2025070	SAM	07/09/25 14:24		Iwona	OK
21	Q2536-02	RW7-SP100-2025070	SAM	07/09/25 14:25		Iwona	OK
22	CCV2	CCV2	CCV	07/09/25 14:25		Iwona	OK
23	CCB2	CCB2	CCB	07/09/25 14:26		Iwona	OK
24	Q2536-03	RW8-SP100-2025070	SAM	07/09/25 14:26		Iwona	OK
25	Q2525-01DL	EFFLUENT-COMPOS	SAM	07/09/25 14:27		Iwona	OK
26	CCV3	CCV3	CCV	07/09/25 14:27		Iwona	OK
27	CCB3	CCB3	CCB	07/09/25 14:28		Iwona	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB136412

Review By	rubina	Review On	7/15/2025 10:35:10 AM
Supervise By	Iwona	Supervise On	7/15/2025 10:36:11 AM
SubDirectory	LB136412	Test	BOD Soluble
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113846,W3149,WP112832,W3103,W3109,W3105,WP113848,WP113847,WP111323		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136412BL	LB136412BL	MB	07/09/25 16:40		rubina	OK
2	LB136412BS	LB136412BS	LCS	07/09/25 16:40		rubina	OK
3	LB136412BSD1	LB136412BSD1	LCS	07/09/25 16:40		rubina	OK
4	LB136412BSD2	LB136412BSD2	LCS	07/09/25 16:40		rubina	OK
5	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 16:40		rubina	OK
6	Q2525-01DUP	EFFLUENT-COMPOS	DUP	07/09/25 16:40		rubina	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB136413

Review By	rubina	Review On	7/15/2025 10:31:39 AM
Supervise By	Iwona	Supervise On	7/15/2025 10:36:00 AM
SubDirectory	LB136413	Test	BOD5
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113846,W3149,WP112832,W3103,W3109,W3105,WP113848,WP113847,WP11323		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136413BL	LB136413BL	MB	07/09/25 16:40		rubina	OK
2	LB136413BS	LB136413BS	LCS	07/09/25 16:40		rubina	OK
3	Q2522-01	DRAIN-WATER-TANK	SAM	07/09/25 16:40		rubina	OK
4	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 16:40		rubina	OK
5	Q2536-01	RW5-SP100-2025070	SAM	07/09/25 16:40		rubina	OK
6	Q2536-02	RW7-SP100-2025070	SAM	07/09/25 16:40		rubina	OK
7	Q2536-03	RW8-SP100-2025070	SAM	07/09/25 16:40		rubina	OK
8	Q2548-02	COMP	SAM	07/09/25 16:40	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
9	Q2548-02DUP	COMPDUP	DUP	07/09/25 16:40	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB136419

Review By	jignesh	Review On	7/10/2025 11:38:45 AM
Supervise By	Iwona	Supervise On	7/10/2025 12:01:47 PM
SubDirectory	LB136419	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136419BL	LB136419BL	MB	07/10/25 10:00		jignesh	OK
2	LB136419BS	LB136419BS	LCS	07/10/25 10:00		jignesh	OK
3	Q2522-01	DRAIN-WATER-TANK	SAM	07/10/25 10:00		jignesh	OK
4	Q2525-01	EFFLUENT-COMPOS	SAM	07/10/25 10:00		jignesh	OK
5	Q2525-01DUP	EFFLUENT-COMPOS	DUP	07/10/25 10:00		jignesh	OK
6	Q2532-01	001-WILLETS-PT-BLV	SAM	07/10/25 10:00		jignesh	OK
7	Q2532-02	002-35th-AVE(MAY)	SAM	07/10/25 10:00		jignesh	OK
8	Q2533-01	001 WILLETS PT BLV	SAM	07/10/25 10:00		jignesh	OK
9	Q2533-02	002-35th-AVE(JUNE)	SAM	07/10/25 10:00		jignesh	OK
10	Q2548-02	COMP	SAM	07/10/25 10:00		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB136432

Review By	jignesh	Review On	7/11/2025 1:47:04 PM
Supervise By	Iwona	Supervise On	7/11/2025 1:51:45 PM
SubDirectory	LB136432	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3204,M6069,EP2624,WP112782,NA,NA,WP112783,NA,WO112784		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136432BL	LB136432BL	MB	07/11/25 09:25		jignesh	OK
2	LB136432BS	LB136432BS	LCS	07/11/25 09:25		jignesh	OK
3	Q2525-02	EFFLUENT-GRAB	SAM	07/11/25 09:25		jignesh	OK
4	Q2570-01	EFFLUENT	SAM	07/11/25 09:25		jignesh	OK
5	Q2570-04	Q2570-01MS	MS	07/11/25 09:25		jignesh	OK
6	Q2570-05	Q2570-01MSD	MSD	07/11/25 09:25		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB136433

Review By	jignesh	Review On	7/11/2025 12:05:39 PM
Supervise By	Iwona	Supervise On	7/11/2025 1:03:19 PM
SubDirectory	LB136433	Test	TPH
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3204,M6069,EP2624,WP112782,W3079,NA,WP112783,WP112784,NA		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136433BL	LB136433BL	MB	07/11/25 10:00		jignesh	OK
2	LB136433BS	LB136433BS	LCS	07/11/25 10:00		jignesh	OK
3	LB136433BSD	LB136433BSD	LCSD	07/11/25 10:00		jignesh	OK
4	Q2499-01	GRAB	SAM	07/11/25 10:00		jignesh	OK
5	Q2525-02	EFFLUENT-GRAB	SAM	07/11/25 10:00		jignesh	OK
6	Q2548-01	GRAB	SAM	07/11/25 10:00		jignesh	OK
7	Q2565-01	MOO-25-0192-0193	SAM	07/11/25 10:00		jignesh	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB136477

Review By	Iwona	Review On	7/15/2025 12:21:07 PM
Supervise By	jignesh	Supervise On	7/15/2025 12:21:51 PM
SubDirectory	LB136477	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113238,WP113237,WP113235,WP113234,WP113233,WP113240,WP113236,W3129,WP113940,WP113941,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/28/25 13:10		Iwona	OK
2	CAL2	CAL2	CAL	05/28/25 13:10		Iwona	OK
3	CAL3	CAL3	CAL	05/28/25 13:11		Iwona	OK
4	CAL4	CAL4	CAL	05/28/25 13:11		Iwona	OK
5	CAL5	CAL5	CAL	05/28/25 13:12		Iwona	OK
6	CAL6	CAL6	CAL	05/28/25 13:12		Iwona	OK
7	ICV	ICV	ICV	05/28/25 13:13		Iwona	OK
8	ICB	ICB	ICB	05/28/25 13:13		Iwona	OK
9	CCV1	CCV1	CCV	07/15/25 12:10		Iwona	OK
10	CCB1	CCB1	CCB	07/15/25 12:10		Iwona	OK
11	RL Check	RL Check	RL	07/15/25 12:11		Iwona	OK
12	LB136477BL	LB136477BL	MB	07/15/25 12:11		Iwona	OK
13	LB136477BS	LB136477BS	LCS	07/15/25 12:12		Iwona	OK
14	Q2525-01	EFFLUENT-COMPOS	SAM	07/15/25 12:12		Iwona	OK
15	Q2536-01	RW5-SP100-2025070	SAM	07/15/25 12:13		Iwona	OK
16	Q2536-02	RW7-SP100-2025070	SAM	07/15/25 12:13		Iwona	OK
17	Q2536-03	RW8-SP100-2025070	SAM	07/15/25 12:14		Iwona	OK
18	Q2565-01	MOO-25-0192-0193	SAM	07/15/25 12:14		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB136477

Review By	Iwona	Review On	7/15/2025 12:21:07 PM
Supervise By	jignesh	Supervise On	7/15/2025 12:21:51 PM
SubDirectory	LB136477	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP113238,WP113237,WP113235,WP113234,WP113233,WP113240,WP113236,W3129,WP113940,WP113941,WP1		

19	Q2588-01	MH-7112025	SAM	07/15/25 12:15		Iwona	OK
20	Q2602-01	FRAC-TANK-266380	SAM	07/15/25 12:15		Iwona	OK
21	Q2602-01DUP	FRAC-TANK-266380	DUP	07/15/25 12:16		Iwona	OK
22	CCV2	CCV2	CCV	07/15/25 12:16		Iwona	OK
23	CCB2	CCB2	CCB	07/15/25 12:17		Iwona	OK
24	Q2602-01MS	FRAC-TANK-266380	MS	07/15/25 12:17		Iwona	OK
25	Q2602-01MSD	FRAC-TANK-266380	MSD	07/15/25 12:18		Iwona	OK
26	CCV3	CCV3	CCV	07/15/25 12:18		Iwona	OK
27	CCB3	CCB3	CCB	07/15/25 12:19		Iwona	OK

LAB CHRONICLE

OrderID:	Q2525	OrderDate:	7/8/2025 2:26:34 PM
Client:	Mars Chocolate North America, LLC	Project:	W.T.P. Final Effluent 2025
Contact:	Anthony Fosco	Location:	O33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2525-01	EFFLUENT-COMPOSITE	WATER			07/08/25 05:00			07/08/25
	E		Ammonia	SM4500-NH3		07/08/25	07/09/25 10:43	
			BOD Soluble	SM5210 B			07/09/25 16:40	
			BOD5	SM5210 B			07/09/25 16:40	
			COD	SM5220 D			07/15/25 12:12	
			Apparent Color	SM2120 B			07/09/25 09:25	
			Phosphorus-Total	365.3		07/09/25	07/09/25 14:24	
			TDS	SM2540 C			07/08/25 17:30	
			TSS	SM2540 D			07/10/25 10:00	
Q2525-01DL	EFFLUENT-COMPOSITE	WATER			07/08/25 05:00			07/08/25
	EDL		Phosphorus-Total	365.3		07/09/25	07/09/25 14:27	
Q2525-02	EFFLUENT-GRAB	WATER			07/08/25 05:00			07/08/25
			Oil and Grease	1664A			07/11/25 09:25	
			TPH	1664A			07/11/25 10:00	

SOP ID : MSM4500-NH3 B,G-Ammonia-18
SDG No : N/A
Matrix : WATER
Pipette ID : WC
Balance ID : N/A
Hood ID : HOOD#2
Block ID : WC-DIST-BLOCK-1
Weigh By : RM

Start Digest Date: 07/08/2025 **Time :** 15:50 **Temp :** 150 °C
End Digest Date: 07/08/2025 **Time :** 16:50 **Temp :** 158 °C

Digestion tube ID : M5595
Filter paper ID : N/A
pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE
Prep Technician Signature: RM
Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP113449
MS/MSD SPIKE SOL.	1.0ML	WP113450
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB168757
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP111604. Due to bad matrix and client history 1ML was taken as an initial volume for Q2525-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/08/2025 17:00	RM cwc	RM cwc
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168758BL	PBW758	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB168758BS	LCS758	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01	WATER-TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01DUP	WATER-TREATMENT DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01MS	WATER-TREATMENT DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01MSD	WATER-TREATMENT DISCHARGEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2525-01	EFFLUENT-COMPOSITE	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

A

B

C

D

E

F

SOP ID : M365.3 & SM4500-P E-18

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Block ID : WC S-1, WC S-2

Welgh By : IZ

Start Digest Date: 07/09/2025 Time : 09:50 Temp : 95 °C

End Digest Date: 07/09/2025 Time : 10:55 Temp : 96 °C

Digestion tube ID : M5595

Filter paper ID : 400213

pH Meter ID : N/A

Block Thermometer ID : WC-BLOCK#1

Prep Technician Signature: 12

Supervisor Signature: *[Signature]*

Il not boleh 07/09/2025 11:30 95°C
07/09/2025 12:30 97°C

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP112914
MS/MSD SPIKE SOL.	0.5ML	WP112913
PBW	50.ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP112615
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3215
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
CAL1	CAL1	50.0ML	WP113866
CAL2	CAL2	50.0ML	WP113867
CAL3	CAL3	50.0ML	WP113868
CAL4	CAL4	50.0ML	WP113869
CAL5	CAL5	50.0ML	WP113870
CAL6	CAL6	50.0ML	WP113871
ICV	ICV	50.0ML	WP113873
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP113872
CCB	CCB	50.0ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168769BL	PBW769	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB168769BS	LCS769	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2470-01DUP	SW-1DUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2470-01MS	SW-1MS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2470-01MSD	SW-1MSD	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2470-01	SW-1	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2471-01	SW-1	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2525-01	EFFLUENT-COMPOSITE	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2536-01	RW5-SP100-20250708	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2536-02	RW7-SP100-20250708	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2536-03	RW8-SP100-20250708	50	50	<2	N/A	N/A	N/A	N/A	N/A



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number WTP Final Effluent 2025
22525

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
Report to be sent to		PROJECT NAME: Waste Treatment Plant		BILL TO: PO#	
COMPANY: Mars Chocolate North America, LLC		PROJECT #: LOCATION:		ADDRESS:	
ADDRESS: 700 High Street		Project Manager: Jeff Kram		CITY: STATE: ZIP:	
CITY: Hackettstown STATE: NJ ZIP: 07840		EMAIL Address: jeffery.kram@effem.com		ATTENTION:	
ATTENTION: Anthony Fosco EMAIL: anthony.fosco@effem.com		Telephone # 908-736-6742 FAX: 908-850-7923		PHONE:	
PHONE: 908-850-2446 FAX: 908-850-2734					

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX: 5 DAYS*		☐ RESULTS ONLY ☐ RESULTS * QC ☒ New Jersey REDUCED ☒ New Jersey CLP ☐ EDD FORMAT None		☐ USEPA CLP ☐ New York State ASP "B" ☐ New York State ASP "A" ☐ Other	
HARD COPY: DAYS*				BOD 5 TSS, TDS Oil & Grease Ammonia-N Total Phosphorus Total, COD BOD Soluble Color TPH	
EDD DAYS*				1 2 3 4 5 6 7 8 9	
* TO BE APPROVED BY CHEMTECH				PRESERVATIVES	
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				E E C C C E E C	

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	E TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		E	E	C	C	C	E	E	C		A-HCl	HNO3	B-
1	Effluent Composite	Waste Water	X		7.8.25	5:00	10	X	X		X	X	X	X					
2	Effluent Grab	Waste Water		X	7.8.25	5:00	14			X					X				

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME 0510 7.8.25	RECEIVED BY 7.8.25 1340	Conditions of bottles or collars at receipt: → COMPLIANT → NON COMPLIANT → COOLER TEMP 7.0°C MeOH extraction requires an additional 4oz. Jar for percent solid Comments: Samples collected by Gregg Dickinson
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
RELINQUISHED BY	DATE/TIME 1520 7.8.25	RECEIVED FOR LAB BY	
10/13/2004			Page 1 of 1 SHIPPED VIA: CHEMTECH: → Picked Up

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY #

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488