

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 : Q3344

ATTENTION : Anthony Fosco



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3344

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

Client : Mars Chocolate North America, LLC

Lab Sample Number

Q3344-01
Q3344-02

Client Sample Number

1 EFFLUENT-COMPOSITE
2 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: 10/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Mars Chocolate North America, LLC

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

Project # N/A

Order ID # Q3344

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 10/14/2025.

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

The Blank Spike met requirements for all compounds.

The Duplicate (TANK-FARM-WATERDUP) analysis met criteria for all compounds except for Ammonia as N due to sample matrix interference.

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:

As per method 1664A (Oil and Grease), MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3344 therefore Lab reported MS-MSD from Q3328.



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.

Sample Q3344-01 was analyzed with 20x dilution for Color parameter due to client history of high results.

Due to bad Matrix and Client History 1.00 ml was taken as an initial Volume for Ammonia for Q3344-01.

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 #: Q3344

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: 10/24/2025



SAMPLE DATA

Report of Analysis

Client: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025
Client Sample ID: 1 EFFLUENT-COMPOSITE
Lab Sample ID: Q3344-01

Date Collected: 10/14/25 05:00
Date Received: 10/14/25
SDG No.: Q3344
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	55.1		1	1.50	5.00	mg/L	10/15/25 10:25	10/15/25 17:51	SM 4500-NH3 B plus G-21
BOD Soluble	58.0		1	0.20	2.00	mg/L		10/15/25 17:10	SM 5210 B-16
BOD5	62.9		1	0.20	2.00	mg/L		10/15/25 17:10	SM 5210 B-16
COD	133		1	1.50	10.0	mg/L		10/15/25 14:33	SM 5220 D-11
Apparent Color	800	D	20	100	100	cu		10/15/25 10:35	SM 2120 B-21
Phosphorus, Total	2.55	OR	1	0.0050	0.050	mg/L	10/21/25 09:10	10/21/25 11:26	365.3
TDS	4200		1	1.00	10.0	mg/L		10/15/25 12:30	SM 2540 C-20
TSS	56.9		1	1.00	4.00	mg/L		10/16/25 09:35	SM 2540 D-20

Comments: Apparent color result reported at pH 7.98

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:	10/14/25 05:00
Project:	W.T.P. Final Effluent 2025	Date Received:	10/14/25
Client Sample ID:	1 EFFLUENT-COMPOSITEDL	SDG No.:	Q3344
Lab Sample ID:	Q3344-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	3.52	D	5	0.023	0.25	mg/L	10/21/25 09:10	10/21/25 11:28	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
Project: W.T.P. Final Effluent 2025
Client Sample ID: 2 EFFLUENT-GRAB
Lab Sample ID: Q3344-02

Date Collected: 10/14/25 05:00
Date Received: 10/14/25
SDG No.: Q3344
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	0.40	J	1	0.29	5.00	mg/L		10/15/25 09:45	1664A
TPH	0.29	U	1	0.29	5.00	mg/L		10/16/25 09:35	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.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137539

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.99	1	99	90-110	10/15/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137541

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.173	50	100	95-105	09/08/2025
Sample ID: CCV1 COD	mg/L	48.150	50	96	95-105	10/15/2025
Sample ID: CCV2 COD	mg/L	51.184	50	102	95-105	10/15/2025

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Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137597

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.507	0.50	101	90-110	10/21/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.502	0.50	100	90-110	10/21/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.501	0.50	100	90-110	10/21/2025
Sample ID: CCV3 Phosphorus, Total	mg/L	0.505	0.50	101	90-110	10/21/2025

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Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137539

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	10/15/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/15/2025
Sample ID: CCB2 Ammonia as N	mg/L	0.03	0.0500	J	0.030	0.1	10/15/2025
Sample ID: CCB3 Ammonia as N	mg/L	0.033	0.0500	J	0.030	0.1	10/15/2025

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137541

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	09/08/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	10/15/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	10/15/2025

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Initial and Continuing Calibration Blank Summary

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

SDG No.: Q3344
RunNo.: LB137597

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.009	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB3 Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	10/21/2025

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Preparation Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137535BL							
Apparent Color	cu	< 2.5000	2.5000	U	5.0	5.0	10/15/2025
Sample ID: LB137541BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	10/15/2025
Sample ID: LB137545BL							
BOD Soluble	mg/L	< 1.0000	1.0000	U	0.20	2	10/15/2025
Sample ID: LB137546BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	10/15/2025
Sample ID: LB137553BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	10/16/2025
Sample ID: LB137554BL							
TDS	mg/L	1	5.0000	J	1.0	10	10/15/2025
Sample ID: LB137556BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/15/2025
Sample ID: LB137557BL							
TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/16/2025
Sample ID: PB170111BL							
Ammonia as N	mg/L	0.03	0.0500	J	0.03	0.1	10/15/2025
Sample ID: PB170160BL							
Phosphorus, Total	mg/L	0.008	0.0250	J	0.005	0.05	10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MS	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	196		176		20.0	1	101		10/15/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MSD	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	196		176		20.0	1	101		10/15/2025

Matrix Spike Summary

Client:

Mars Chocolate North America, LLC

SDG No.:

Q3344

Project:

W.T.P. Final Effluent 2025

Sample ID:

Q3344-01DL

Client ID:

1 EFFLUENT-COMPOSITEMS

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	4.00	D	3.52	D	0.5	5	96		10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01DL
Client ID:	1 EFFLUENT-COMPOSITEMSD	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	3.98	D	3.52	D	0.5	5	92		10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMS	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	52.2		5.67	J	50.0	1	93		10/15/2025
Ammonia as N	mg/L	75-125	0.99		0.031	J	1	1	96		10/15/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMSD	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	53.2		5.67	J	50.0	1	95		10/15/2025
Ammonia as N	mg/L	75-125	1.00		0.031	J	1	1	97		10/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	LB137557BS
Client ID:	LB137557BSD	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		10/16/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MSD	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	196		196		1	0.05		10/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01
Client ID:	1 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
BOD Soluble	mg/L	+/-20	58.0		57.0		1	1.83		10/15/2025
BOD5	mg/L	+/-20	62.9		61.0		1	3		10/15/2025
TSS	mg/L	+/-5	56.9		56.0		1	1.59		10/16/2025
TDS	mg/L	+/-5	4200		4240		1	0.78		10/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01DL
Client ID:	1 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	800	D	800	D	20	0		10/15/2025
Phosphorus, Total	mg/L	+/-20	3.52	D	3.50	D	5	0.57		10/21/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01DL
Client ID:	1 EFFLUENT-COMPOSITEMSD	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	4.00	D	3.98	D	5	0.5		10/21/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERDUP	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	0.031	J	0.030	U	1	200	*	10/15/2025
COD	mg/L	+/-20	5.67	J	5.67	J	1	0		10/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMSD	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	0.99		1.00		1	1		10/15/2025
COD	mg/L	+/-20	52.2		53.2		1	1.9		10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137541

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137541BS							
COD	mg/L	50	51.2		102	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137545

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137545BS							
BOD Soluble	mg/L	198	176		89	1	84.6-115.4	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137546

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137546BS							
BOD5	mg/L	198	180		91	1	84.6-115.4	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137553

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137553BS							
TSS	mg/L	550	561		102	1	90-110	10/16/2025

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Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137554

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137554BS							
TDS	mg/L	100	94.0		94	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137556

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137556BS							
Oil and Grease	mg/L	20.0	16.8		84	1	78-114	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137557

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137557BS							
TPH	mg/L	20.0	17.0		85	1	78-114	10/16/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137557

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137557BSD							
TPH	mg/L	20.0	17.1		86	1	78-114	10/16/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137539

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170111BS							
Ammonia as N	mg/L	1	0.97		97	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Run No.:	LB137597

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170160BS							
Phosphorus, Total	mg/L	0.50	0.50		101	1	90-110	10/21/2025

Instrument ID: NESSLER TUBES

Daily Analysis Runlog For Sequence/QC Batch ID # LB137535

Review By	Iwona	Review On	10/15/2025 12:26:30 PM
Supervise By	jignesh	Supervise On	10/15/2025 12:27:53 PM
SubDirectory	LB137535	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	LB137535BL	LB137535BL	MB	10/15/25 10:30		Iwona	OK
2	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 10:35		Iwona	OK
3	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 10:40		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137539

Review By	rubina	Review On	10/17/2025 10:18:01 AM
Supervise By	Iwona	Supervise On	10/17/2025 12:55:23 PM
SubDirectory	LB137539	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115213		
ICV Standard	WP115215		
CCV Standard	WP115214		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/15/25 12:03		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/15/25 12:03		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/15/25 12:03		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/15/25 12:03		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/15/25 12:03		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/15/25 12:03		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/15/25 12:03		rubina	OK
8	ICV1	ICV1	ICV	10/15/25 17:29		rubina	OK
9	ICB1	ICB1	ICB	10/15/25 17:29		rubina	OK
10	CCV1	CCV1	CCV	10/15/25 17:29		rubina	OK
11	CCB1	CCB1	CCB	10/15/25 17:29		rubina	OK
12	RL	RL	SAM	10/15/25 17:30		rubina	OK
13	PB170110BL	PB170110BL	MB	10/15/25 17:30		rubina	OK
14	PB170110BS	PB170110BS	LCS	10/15/25 17:40		rubina	OK
15	Q3341-01	C-1	SAM	10/15/25 17:40		rubina	OK
16	Q3341-02	C-2	SAM	10/15/25 17:40		rubina	OK
17	Q3341-03	C-3	SAM	10/15/25 17:40		rubina	OK
18	Q3341-03DUP	C-3DUP	DUP	10/15/25 17:40		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137539

Review By	rubina	Review On	10/17/2025 10:18:01 AM
Supervise By	Iwona	Supervise On	10/17/2025 12:55:23 PM
SubDirectory	LB137539	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115213		
ICV Standard	WP115215		
CCV Standard	WP115214		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

19	Q3341-03MS	C-3MS	MS	10/15/25 17:40		rubina	OK
20	Q3341-03MSD	C-3MSD	MSD	10/15/25 17:51		rubina	OK
21	PB170111BL	PB170111BL	MB	10/15/25 17:51		rubina	OK
22	CCV2	CCV2	CCV	10/15/25 17:51		rubina	OK
23	CCB2	CCB2	CCB	10/15/25 17:51		rubina	OK
24	PB170111BS	PB170111BS	LCS	10/15/25 17:51		rubina	OK
25	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:51		rubina	OK
26	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 18:02		rubina	OK
27	Q3345-07DUP	TANK-FARM-WATER	DUP	10/15/25 18:02		rubina	OK
28	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 18:02		rubina	OK
29	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 18:02		rubina	OK
30	CCV3	CCV3	CCV	10/15/25 18:02		rubina	OK
31	CCB3	CCB3	CCB	10/15/25 18:02		rubina	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	10/15/25 14:30		Iwona	OK
10	CCB1	CCB1	CCB	10/15/25 14:30		Iwona	OK
11	RL Check	RL Check	RL	10/15/25 14:31		Iwona	OK
12	LB137541BL	LB137541BL	MB	10/15/25 14:31		Iwona	OK
13	LB137541BS	LB137541BS	LCS	10/15/25 14:32		Iwona	OK
14	Q3328-01	MH-10-10-25	SAM	10/15/25 14:32		Iwona	OK
15	Q3344-01	1 EFFLUENT-COMPO	SAM	10/15/25 14:33		Iwona	OK
16	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 14:33		Iwona	OK
17	Q3345-07DUP	TANK-FARM-WATER	DUP	10/15/25 14:34		Iwona	OK
18	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 14:34		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

19	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 14:35		Iwona	OK
20	Q3351-01	SW-1	SAM	10/15/25 14:35		Iwona	OK
21	Q3351-02	SW-2	SAM	10/15/25 14:36		Iwona	OK
22	CCV2	CCV2	CCV	10/15/25 14:36		Iwona	OK
23	CCB2	CCB2	CCB	10/15/25 14:37		Iwona	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB137545

Review By	rubina	Review On	10/21/2025 9:39:38 AM
Supervise By	Iwona	Supervise On	10/21/2025 10:46:06 AM
SubDirectory	LB137545	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	WP115220,W3149,WP112832,W3103,W3109,W3248,WP115222,WP115221,WP113878		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137545BL	LB137545BL	MB	10/15/25 17:10		rubina	OK
2	LB137545BS	LB137545BS	LCS	10/15/25 17:10		rubina	OK
3	LB137545BSD1	LB137545BSD1	LCS	10/15/25 17:10		rubina	OK
4	LB137545BSD2	LB137545BSD2	LCS	10/15/25 17:10		rubina	OK
5	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
6	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB137546

Review By	rubina	Review On	10/21/2025 9:39:36 AM
Supervise By	Iwona	Supervise On	10/21/2025 10:45:47 AM
SubDirectory	LB137546	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	WP115220,W3149,WP112832,W3103,W3109,W3248,WP115222,WP115221,WP113878		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137546BL	LB137546BL	MB	10/15/25 17:10		rubina	OK
2	LB137546BS	LB137546BS	LCS	10/15/25 17:10		rubina	OK
3	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
4	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
5	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 17:10		rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137553

Review By	jignesh	Review On	10/16/2025 1:57:29 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:43 PM
SubDirectory	LB137553	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	LB137553BL	LB137553BL	MB	10/16/25 09:35		jignesh	OK
2	LB137553BS	LB137553BS	LCS	10/16/25 09:35	55 mg W3186 + 100ML FOR W3112	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/16/25 09:35		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMPO	SAM	10/16/25 09:35		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMPO	DUP	10/16/25 09:35		jignesh	OK
6	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
7	Q3351-01	SW-1	SAM	10/16/25 09:35		jignesh	OK
8	Q3351-02	SW-2	SAM	10/16/25 09:35		jignesh	OK
9	Q3359-02	Comp	SAM	10/16/25 09:35		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137554

Review By	jignesh	Review On	10/16/2025 2:48:16 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:14 PM
SubDirectory	LB137554	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	LB137554BL	LB137554BL	MB	10/15/25 12:30		jignesh	OK
2	LB137554BS	LB137554BS	LCS	10/15/25 12:30	WP115238	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/15/25 12:30		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 12:30		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 12:30		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137556

Review By	jignesh	Review On	10/16/2025 11:19:34 AM
Supervise By	Iwona	Supervise On	10/16/2025 2:55:18 PM
SubDirectory	LB137556	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	W3240,M6069,EP2646,WP115016,N/A,N/A,WP115017,N/A,WP115018		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137556BL	LB137556BL	MB	10/15/25 09:45		jignesh	OK
2	LB137556BS	LB137556BS	LCS	10/15/25 09:45		jignesh	OK
3	Q3328-01	MH-10-10-25	SAM	10/15/25 09:45		jignesh	OK
4	Q3328-02	Q3328-01MS	MS	10/15/25 09:45		jignesh	OK
5	Q3328-03	Q3328-01MSD	MSD	10/15/25 09:45		jignesh	OK
6	Q3344-02	2 EFFLUENT-GRAB	SAM	10/15/25 09:45		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137557

Review By	jignesh	Review On	10/16/2025 12:21:55 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:55:04 PM
SubDirectory	LB137557	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	W3240,M6069,EP2652,WP115016,W3246,N/A,WP115017,WP115018,N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137557BL	LB137557BL	MB	10/16/25 09:35		jignesh	OK
2	LB137557BS	LB137557BS	LCS	10/16/25 09:35		jignesh	OK
3	LB137557BSD	LB137557BSD	LCSD	10/16/25 09:35		jignesh	OK
4	Q3316-01	GRAB	SAM	10/16/25 09:35		jignesh	OK
5	Q3328-01	MH-10-10-25	SAM	10/16/25 09:35		jignesh	OK
6	Q3344-02	2 EFFLUENT-GRAB	SAM	10/16/25 09:35		jignesh	OK
7	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
8	Q3359-01	Grab	SAM	10/16/25 09:35		jignesh	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137597

Review By	Iwona	Review On	10/21/2025 11:49:15 AM
Supervise By	jignesh	Supervise On	10/21/2025 11:57:27 AM
SubDirectory	LB137597	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	WP115259,WP115258,WP115257,WP115256,WP115255,WP115254,WP115261,WP112831,WP115264,WP113378,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/21/25 11:20		Iwona	OK
2	CAL2	CAL2	CAL	10/21/25 11:20		Iwona	OK
3	CAL3	CAL3	CAL	10/21/25 11:21		Iwona	OK
4	CAL4	CAL4	CAL	10/21/25 11:21		Iwona	OK
5	CAL5	CAL5	CAL	10/21/25 11:22		Iwona	OK
6	CAL6	CAL6	CAL	10/21/25 11:22		Iwona	OK
7	ICV	ICV	ICV	10/21/25 11:23		Iwona	OK
8	ICB	ICB	ICB	10/21/25 11:23		Iwona	OK
9	CCV1	CCV1	CCV	10/21/25 11:24		Iwona	OK
10	CCB1	CCB1	CCB	10/21/25 11:24		Iwona	OK
11	RL Check	RL Check	RL	10/21/25 11:25		Iwona	OK
12	PB170160BL	PB170160BL	MB	10/21/25 11:25		Iwona	OK
13	PB170160BS	PB170160BS	LCS	10/21/25 11:26		Iwona	OK
14	Q3344-01	1 EFFLUENT-COMPO	SAM	10/21/25 11:26		Iwona	OK
15	Q3344-01DUP	1 EFFLUENT-COMPO	DUP	10/21/25 11:27		Iwona	OK
16	Q3344-01MS	1 EFFLUENT-COMPO	MS	10/21/25 11:27		Iwona	OK
17	Q3344-01MSD	1 EFFLUENT-COMPO	MSD	10/21/25 11:28		Iwona	OK
18	Q3344-01DL	1 EFFLUENT-COMPO	SAM	10/21/25 11:28		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137597

Review By	Iwona	Review On	10/21/2025 11:49:15 AM
Supervise By	jignesh	Supervise On	10/21/2025 11:57:27 AM
SubDirectory	LB137597	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	WP115259,WP115258,WP115257,WP115256,WP115255,WP115254,WP115261,WP112831,WP115264,WP113378,V		

19	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/21/25 11:29		Iwona	OK
20	Q3344-01MS	1 EFFLUENT-COMP	MS	10/21/25 11:29		Iwona	OK
21	CCV2	CCV2	CCV	10/21/25 11:30		Iwona	OK
22	CCB2	CCB2	CCB	10/21/25 11:30		Iwona	OK
23	Q3344-01MSD	1 EFFLUENT-COMP	MSD	10/21/25 11:31		Iwona	OK
24	CCV3	CCV3	CCV	10/21/25 11:31		Iwona	OK
25	CCB3	CCB3	CCB	10/21/25 11:32		Iwona	OK

LAB CHRONICLE

OrderID:	Q3344	OrderDate:	10/14/2025 1:00:00 PM
Client:	Mars Chocolate North America, LLC	Project:	W.T.P. Final Effluent 2025
Contact:	Anthony Fosco	Location:	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3344-01	1	WATER			10/14/25			10/14/25
	EFFLUENT-COMPOSIT				05:00			
	E		Ammonia	SM4500-NH3		10/15/25	10/15/25 17:51	
			BOD Soluble	SM5210 B			10/15/25 17:10	
			BOD5	SM5210 B			10/15/25 17:10	
			COD	SM5220 D			10/15/25 14:33	
			Apparent Color	SM2120 B			10/15/25 10:35	
			Phosphorus-Total	365.3		10/21/25	10/21/25 11:26	
			TDS	SM2540 C			10/15/25 12:30	
			TSS	SM2540 D			10/16/25 09:35	
Q3344-01DL	1	WATER			10/14/25			10/14/25
	EFFLUENT-COMPOSIT				05:00			
	EDL		Phosphorus-Total	365.3		10/21/25	10/21/25 11:28	
Q3344-02	2	WATER			10/14/25			10/14/25
	EFFLUENT-GRAB				05:00			
			Oil and Grease	1664A			10/15/25 09:45	
			TPH	1664A			10/16/25 09:35	

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 10/15/2025 Time : 10:25 Temp : 150 °C

Matrix : WATER

End Digest Date: 10/15/2025 Time : 11:25 Temp : 160 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: SO

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP115088
MS/MSD SPIKE SOL.	1.0ML	WP115087
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB170110
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113886
NAOH 6N	0.5-2.0ML	WP113887
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 WP114104, Due to bad matrix and client history 1ML was taken as an initial volume for Q3344-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/15/2025 11:40	RM CWG	RM CWG
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170111BL	PBW111	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB170111BS	LCS111	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3344-01	1 EFFLUENT-COMPOSITE	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07	TANK-FARM-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07DUP	TANK-FARM-WATERDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07MS	TANK-FARM-WATERMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07MSD	TANK-FARM-WATERMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

SOP ID : M365.3 & SM4500-P E-19

SDG No : N/A

Start Digest Date: 10/21/2025 Time : 09:10 Temp : 94 °C

Matrix : WATER

End Digest Date: 10/21/2025 Time : 10:15 Temp : 96 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Digestion tube ID : M5595

Block Thermometer ID : WC-BLOCK#1

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

Filter paper ID : 400213

Prep Technician Signature: 12

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 80

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP112914
MS/MSD SPIKE SOL.	0.5ML	WP112913
PBW	50. ML	W3112
RL CHECK	50.0ML	WP115262
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP115089
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3241
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	WP115254
CAL2	CAL2	50.0ML	WP115255
CAL3	CAL3	50.0ML	WP115256
CAL4	CAL4	50.0ML	WP115257
CAL5	CAL5	50.0ML	WP115258
CAL6	CAL6	50.0ML	WP115259
ICV	ICV	50.0ML	WP115260
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP115261
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
PB170160BL	PBW160	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB170160BS	LCS160	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01	1 EFFLUENT-COMPOSITE	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01MS	1 EFFLUENT-COMPOSITEMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01MSD	1 EFFLUENT-COMPOSITEMSD	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 10/2025
23344	

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 #: Bottle # B2506048 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*		☐ RESEULTS ONLY ☐ USEPA CLP		<table border="1"> <tr> <td>BOD 5</td> <td>TSS, TDS</td> <td>Oil & Grease</td> <td>Ammonia-N Total</td> <td>Phosphorus Total, COD</td> <td>BOD Soluble</td> <td>Color</td> <td>TPH</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td></td> </tr> </table>									BOD 5	TSS, TDS	Oil & Grease	Ammonia-N Total	Phosphorus Total, COD	BOD Soluble	Color	TPH			1	2	3	4	5	6	7	8	9	
BOD 5	TSS, TDS	Oil & Grease	Ammonia-N Total										Phosphorus Total, COD	BOD Soluble	Color	TPH																
1	2	3	4										5	6	7	8	9															
HARD COPY: DAYS*		☐ RESULTS * QC ☐ New York State ASP "B"																														
EDD DAYS*		☒ New Jersey REDUCED ☐ New York State ASP "A"																														
* TO BE APPROVED BY CHEMTECH		☒ New Jersey CLP ☐ Other																														
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ EDD FORMAT None																														

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			
1	Effluent Composite	Waste Water	X		10.14.2025	5:00	11	X	X		X	X	X	X			A-HCl	B-
2	Effluent Grab	Waste Water		X	10.14.2025	5:00	3			X					X		HNO3	D-NaOH
																	C-H2SO4	F-OTHER
																	E-ICE	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSSION INCLUDING COURIER DELIVERY									
RELINQUISHED BY SAMPLER	DATE/TIME 1220	RECEIVED BY	Conditions of bottles or collers at receipt: → COMPLIANT → NON COMPLIANT → COOLER TEMP 1.7°C						
1. Joe Pinto	10-14-25	1. [Signature]	MeOH extraction requires an additional 4oz. Jar for percent solid						
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:						
2.		2.	Samples collected by Joe Pinto						
RELINQUISHED BY	DATE/TIME 1710	RECEIVED FOR LAB BY	SHIPPED VIA:				Shipment Complete		
3. [Signature]	10-14-25	3.	CHEMTECH: → Picked Up				YES		

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312