

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

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
			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 12:30	
			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	



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

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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

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

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

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

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

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q2525

Project: W.T.P. Final Effluent 2025

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

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

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

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

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

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

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

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

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

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



RAW DATA

TOTAL Dissolved Solids - SM2540C

Run Number: LB136401

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 07/09/2025

BalanceID: WC SC-6

Filter ID: 17416528

EMPTY DISH				EMPTY DISH				OvenID:	WC OVEN-1	Thermo ID:	WET OVEN#1
TEMP IN:	104 °C	07/08/2025	11:00	TEMP OUT:	104 °C	07/08/2025	12:00				
TEMP1 IN:	103 °C	07/08/2025	12:30	TEMP1 OUT:	103 °C	07/08/2025	13:30	OvenID1:	WC OVEN-1	Thermo ID1:	WET OVEN#1
TEMP2 IN:	104 °C	07/08/2025	17:30	TEMP2 OUT:	103 °C	07/09/2025	08:00	OvenID2:	WC OVEN-2	Thermo ID2:	WET OVEN#2
TEMP3 IN:	180 °C	07/09/2025	08:05	TEMP3 OUT:	182 °C	07/09/2025	10:30	OvenID3:	WC OVEN-2	Thermo ID3:	WET OVEN#2

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g)	Final Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g)	Weight (g)	Result mg/L
1	LB136401BL	LB136401BL	136.0274	136.0274	100	136.0274	136.0274	136.0274	0.0000	0
2	LB136401BS	LB136401BS	124.7034	124.7034	100	124.7129	124.7129	124.7129	0.0095	95
3	Q2525-01	EFFLUENT-COMPOSITE	142.7882	142.7880	100	143.1707	143.1707	143.1707	0.3827	3827
4	Q2525-01DUP	EFFLUENT-COMPOSITEDUP	152.1827	152.1827	100	152.5650	152.5650	152.5650	0.3823	3823

A = Sample Volume (ml)

B = Empty Dish Weight (g)

C = 2nd Empty Dish + Sample weight after 1.5 hr drying @180(±2) °C(g)

D = Weight (g)

$$\text{Weight (g)} = C - B$$

$$\text{Result mg/L} = \frac{D}{A} * 1000 * 1000$$

WORKLIST(Hardcopy Internal Chain)

136401

WorkList Name : tds q2529

WorkList ID : 190590

Department : Wet-Chemistry

Date : 07-08-2025 17:04:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2525-01	EFFLUENT-COMPOSITE	Water	TDS	Cool 4 deg C	M&MM01	O33	07/08/2025	SM2540 C

Date/Time 07/08/25 17:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time

07/08/25 18:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Analytical Summary Report

Analysis Method: SM2120 B
Parameter: Color
Run Number: LB136402

Reviewed By: Iwona
Supervisor Review By: jignesh
pH Meter ID: WC pH meter-1

Reagent/Standard	Lot/Log #
Calibration std, 0 color unit	WP113853
Calibration std, 5 color unit	WP113854
Calibration std, 10 color unit	WP113855
Calibration std, 15 color unit	WP113856
Calibration std, 20 color unit	WP113857
Calibration std, 25 color unit	WP113858
Calibration std, 30 color unit	WP113859
Calibration std, 40 color unit	WP113860
Calibration std, 50 color unit	WP113861
Calibration std, 60 color unit	WP113862
Calibration std, 70 color unit	WP113863
Calibration std, 100 color unit	WP113864

Seq	LabID	ClientID	DL	pH Reading	pH Adjustment	Result (cu)	Anal Date	Anal Time
1	LB136402BL	LB136402BL	1	5.03	N/A	0.00	07/09/2025	09:20
2	Q2525-01	EFFLUENT-COMPOSITE	10	7.87	N/A	70.00	07/09/2025	09:25
3	Q2525-01DUP	EFFLUENT-COMPOSITEDU	10	7.86	N/A	70.00	07/09/2025	09:30

WORKLIST(Hardcopy Internal Chain)

LB136402

WorkList Name : COLOR-070925

WorkList ID : 190602

Department : Wet-Chemistry

Date : 07-09-2025 09:03:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2525-01	EFFLUENT-COMPOSITE	Water	Color	Cool 4 deg C	M&MM01	O33	07/08/2025	SM2120 B

Date/Time 07/09/25 09:10
 Raw Sample Received by: 12/25
 Raw Sample Relinquished by: 28/08/25

Date/Time 07/09/25 10:15
 Raw Sample Received by: 28/08/25
 Raw Sample Relinquished by: 12/25

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7/9/2025 11:06

Reviewed by : RM Instrument ID : Konelab

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.987	0.0	0.219	
ICB1	0.025	0.0	0.022	
CCV1	0.943	0.0	0.210	
CCB1	0.019	0.0	0.021	
RL CHECK	0.099	0.0	0.037	
PB168757BL	0.013	0.0	0.019	99% (50-150)
PB168757BS	0.983	0.0	0.218	07/09/2025
Q2487-09	0.033	0.0	0.023	R14
Q2487-09DUP	0.035	0.0	0.024	
Q2487-09MS	0.989	0.0	0.220	
Q2487-09MSD	0.960	0.0	0.214	
Q2487-10	0.188	0.0	0.055	
Q2487-11	0.007	0.0	0.018	
Q2487-12	0.706	0.0	0.161	
CCV2	0.959	0.0	0.213	
CCB2	0.010	0.0	0.019	
Q2487-13	0.012	0.0	0.019	
Q2487-14	0.148	0.0	0.047	
Q2487-15	0.028	0.0	0.023	
Q2487-16	0.050	0.0	0.027	
PB168758BL	0.012	0.0	0.019	
PB168758BS	0.987	0.0	0.219	
Q2512-01	2.201	0.0	0.468	Test limit high
Q2512-01DUP	2.337	0.0	0.496	Test limit high
Q2512-01MS	3.225	0.0	0.678	Test limit high
Q2512-01MSD	3.117	0.0	0.656	Test limit high
CV3	1.000	0.0	0.222	
CB3	0.013	0.0	0.019	
Q2525-01	0.855	0.0	0.192	
CV4	0.957	0.0	0.213	
CB4	0.016	0.0	0.020	
Q2512-01DLX2	1.194	0.0	0.262	
Q2512-01DUPDLX2	1.198	0.0	0.262	
CV5	0.995	0.0	0.221	
CB5	0.011	0.0	0.019	

N	35
Mean	0.723
SD	0.8713
CV%	120.48

Aquakem v. 7.2AQ1

Results from time period:

Wed Jul 09 08:36:02 2025

Wed Jul 09 11:04:20 2025

Sample Id	Sam/Ct	Test short name	Test t	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-N	P	0.019	mg/l	7/9/2025 9:20:57	
0.1PPM	A	Ammonia-N	P	0.1126	mg/l	7/9/2025 9:20:58	
0.2PPM	A	Ammonia-N	P	0.1993	mg/l	7/9/2025 9:20:59	
0.4PPM	A	Ammonia-N	P	0.3945	mg/l	7/9/2025 9:21:00	
1.0PPM	A	Ammonia-N	P	0.942	mg/l	7/9/2025 9:21:01	
1.3PPM	A	Ammonia-N	P	1.3424	mg/l	7/9/2025 9:21:02	
2.0PPM	A	Ammonia-N	P	2.0235	mg/l	7/9/2025 9:21:03	
ICV1	S	Ammonia-N	P	0.9872	mg/l	7/9/2025 10:03:49	
ICB1	S	Ammonia-N	P	0.0251	mg/l	7/9/2025 10:03:52	
CCV1	S	Ammonia-N	P	0.9429	mg/l	7/9/2025 10:03:53	
CCB1	S	Ammonia-N	P	0.0185	mg/l	7/9/2025 10:03:56	
RL CHECK	S	Ammonia-N	P	0.0986	mg/l	7/9/2025 10:03:58	
PB168757BL	S	Ammonia-N	P	0.0125	mg/l	7/9/2025 10:14:34	
PB168757BS	S	Ammonia-N	P	0.9825	mg/l	7/9/2025 10:14:35	
Q2487-09	S	Ammonia-N	P	0.033	mg/l	7/9/2025 10:14:37	
Q2487-09DUP	S	Ammonia-N	P	0.0355	mg/l	7/9/2025 10:14:38	
Q2487-09MS	S	Ammonia-N	P	0.9893	mg/l	7/9/2025 10:14:39	
Q2487-09MSD	S	Ammonia-N	P	0.9599	mg/l	7/9/2025 10:14:40	
Q2487-10	S	Ammonia-N	P	0.1884	mg/l	7/9/2025 10:14:43	
Q2487-11	S	Ammonia-N	P	0.0069	mg/l	7/9/2025 10:14:44	
Q2487-12	S	Ammonia-N	P	0.7058	mg/l	7/9/2025 10:25:17	
CCV2	S	Ammonia-N	P	0.9595	mg/l	7/9/2025 10:25:20	
CCB2	S	Ammonia-N	P	0.0096	mg/l	7/9/2025 10:25:23	
Q2487-13	S	Ammonia-N	P	0.0117	mg/l	7/9/2025 10:25:24	
Q2487-14	S	Ammonia-N	P	0.148	mg/l	7/9/2025 10:25:25	
Q2487-15	S	Ammonia-N	P	0.0284	mg/l	7/9/2025 10:25:26	
Q2487-16	S	Ammonia-N	P	0.0501	mg/l	7/9/2025 10:25:27	
PB168758BL	S	Ammonia-N	P	0.0123	mg/l	7/9/2025 10:25:28	
PB168758BS	S	Ammonia-N	P	0.987	mg/l	7/9/2025 10:36:01	
Q2512-01	S	Ammonia-N	P	2.2009	mg/l	7/9/2025 10:36:02	
Q2512-01DUP	S	Ammonia-N	P	2.3374	mg/l	7/9/2025 10:36:03	
Q2512-01MS	S	Ammonia-N	P	3.2246	mg/l	7/9/2025 10:36:04	
Q2512-01MSD	S	Ammonia-N	P	3.1169	mg/l	7/9/2025 10:36:05	
CCV3	S	Ammonia-N	P	0.9999	mg/l	7/9/2025 10:36:09	
CCB3	S	Ammonia-N	P	0.0127	mg/l	7/9/2025 10:36:10	
Q2525-01	S	Ammonia-N	P	0.8555	mg/l	7/9/2025 10:43:14	
CCV4	S	Ammonia-N	P	0.9574	mg/l	7/9/2025 10:43:15	
CCB4	S	Ammonia-N	P	0.0159	mg/l	7/9/2025 10:43:17	
Q2512-01DLX2	S	Ammonia-N	P	1.1943	mg/l	7/9/2025 11:04:14	
Q2512-01DUPDLX	S	Ammonia-N	P	1.1982	mg/l	7/9/2025 11:04:16	
CCV5	S	Ammonia-N	P	0.9947	mg/l	7/9/2025 11:04:18	
CCB5	S	Ammonia-N	P	0.011	mg/l	7/9/2025 11:04:20	

Calibration results

Aquakem 7.2AQ1

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Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

7/9/2025 9:25

Test Ammonia-N

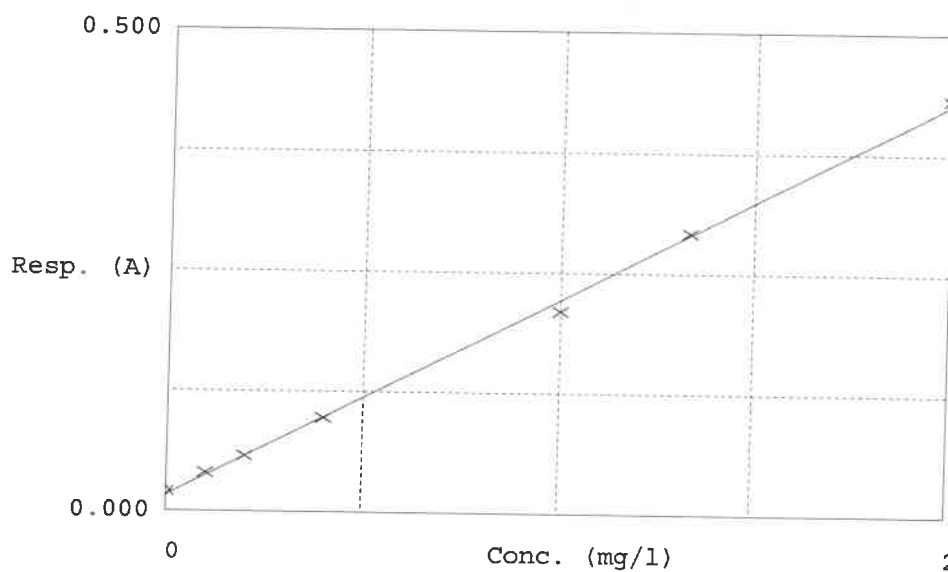
Accepted 7/9/2025 9:25

Factor 4.877

Bias 0.017

Coeff. of det. 0.998651

Errors



	Calibrator	Response	Calc. con.	Conc.	^{Re} Errors
1	0.00PPM	0.021	0.0190	0.0000	-
2	NH3-2PPM	0.040	0.1126	0.1000	12.6
3	NH3-2PPM	0.058	0.1993	0.2000	-0.4
4	NH3-2PPM	0.098	0.3945	0.4000	-1.4
5	NH3-2PPM	0.210	0.9420	1.0000	-5.8
6	NH3-2PPM	0.292	1.3424	1.3333	3.3
7	NH3-2PPM	0.432	2.0235	2.0000	1.2

07/09/2025
RM

Analytical Summary Report

Analysis Method: 365.3
Parameter: Phosphorus-Total
Run Number: LB136411

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP113871
calibration std. phosphate 0.5 ppm	WP113870
calibration std. phosphate 0.3 ppm	WP113869
calibration std. phosphate 0.1 ppm	WP113868
calibration std. phosphate 0.05 ppm	WP113867
calibration std. 0 ppm	WP113866
phosphate CCV std.	WP113872
5N sulfuric acid	WP112831
Combined reagent	WP113877
Phenolphthalein indicator	WP113378
Sodium hydroxide, 1N	WP113878
Phosphate ICV-LCS Std	WP113873

Intercept: -0.0024 Slope: 0.6576 Regression: 0.999619

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.004		07/09/2025	14:15
2	CAL2	0.05	1	50	50	0.033	0.054	8	07/09/2025	14:15
3	CAL3	0.10	1	50	50	0.068	0.107	7	07/09/2025	14:16
4	CAL4	0.30	1	50	50	0.181	0.279	-7	07/09/2025	14:16
5	CAL5	0.50	1	50	50	0.328	0.502	0.4	07/09/2025	14:17
6	CAL6	1.00	1	50	50	0.658	1.004	0.4	07/09/2025	14:17

Analytical Summary Report

Analysis Method: 365.3

ANALYST: Iwona

Parameter: Phosphorus-Total

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136411

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.347	0.531	07/09/2025	14:18
2	ICB		1	50	50	0.002	0.007	07/09/2025	14:18
3	CCV1	0.50	1	50	50	0.320	0.490	07/09/2025	14:19
4	CCB1		1	50	50	0.003	0.008	07/09/2025	14:19
5	RL Check		1	50	50	0.030	0.049	07/09/2025	14:20
6	PB168769BL		1	50	50	0.001	0.005	07/09/2025	14:20
7	PB168769BS	0.50	1	50	50	0.327	0.501	07/09/2025	14:21
8	Q2470-01		1	50	50	0.117	0.182	07/09/2025	14:21
9	Q2470-01DUP		1	50	50	0.119	0.185	07/09/2025	14:22
10	Q2470-01MS	0.50	1	50	50	0.431	0.659	07/09/2025	14:22
11	Q2470-01MSD	0.50	1	50	50	0.429	0.656	07/09/2025	14:23
12	Q2471-01		1	50	50	0.135	0.209	07/09/2025	14:23
13	Q2525-01		1	50	50	1.224	1.865	07/09/2025	14:24
14	Q2536-01		1	50	50	0.006	0.013	07/09/2025	14:24
15	Q2536-02		1	50	50	0.004	0.010	07/09/2025	14:25
16	CCV2	0.50	1	50	50	0.331	0.507	07/09/2025	14:25
17	CCB2		1	50	50	0.002	0.007	07/09/2025	14:26
18	Q2536-03		1	50	50	0.004	0.010	07/09/2025	14:26
19	Q2525-01		10	50	50	0.462	0.706	07/09/2025	14:27
20	CCV3	0.50	1	50	50	0.326	0.499	07/09/2025	14:27
21	CCB3		1	50	50	0.003	0.008	07/09/2025	14:28

BOD Soluble LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB136412

SUPERVISOR: Iwona

QC BATCH ID: LB136412

Analysis Date: 07/09/2025

BOD Water: WP113846

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113848

NaOH, 1N: WP111323

GGA: WP113847

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP113605

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 8.86

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.83

After Incubation

Meter Calibration2: 8.74

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136412

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:40

TIME OUT: 11:00

DATE IN: 07/09/2025

DATE OUT: 07/14/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB136412BL	1	No	6.57	N/A	20.90	300	9.82	9.81	0.01	0.01	0.01	
POLYSEED	1					10	9.69	6.29	3.4	0.68	0.67	
POLYSEED	2					15	9.65	4.64	5.01	0.67		
POLYSEED	3					20	9.63	3.01	6.62	0.66		
GGA	1					6	9.74	5.03	4.71	202	205.33	
GGA	2					6	9.70	4.88	4.82	207.5		
GGA	3					6	9.70	4.90	4.8	206.5		
Q2525-01	1	No	7.89	7.09	20.40	2	9.75	7.80	-	0	81.6	pH Adjusted
Q2525-01	2					10	9.73	6.34	3.39	81.6		
Q2525-01	3					50	9.21	0.70	-	0		
Q2525-01	4					100	8.17	0.14	-	0		
Q2525-01DUP	1	No	7.89	7.09	20.40	2	9.75	7.91	-	0	82.5	pH Adjusted
Q2525-01DUP	2					10	9.71	6.29	3.42	82.5		
Q2525-01DUP	3					50	9.20	0.72	-	0		
Q2525-01DUP	4					100	8.18	0.17	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 07/09/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP113605

QC BATCH ID: LB136413

BOD Water: WP113846

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113848

GGA: WP113847

Chlorine Strips: W3155

pH Strips: W3215

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 8.86 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.83

After Incubation

Meter Calibration2: 8.74 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB136413

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:40

TIME OUT: 11:00

DATE IN: 07/09/2025

DATE OUT: 07/14/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB136413BL	1	No	6.57	N/A	20.90	300	9.82	9.81	0.01	0.01	0.01	
POLYSEED	1					10	9.73	6.19	3.54	0.71	0.69	
POLYSEED	2					15	9.69	4.59	5.1	0.68		
POLYSEED	3					20	9.64	2.94	6.7	0.67		
GGA	1					6	9.76	5.01	4.75	203	211.83	
GGA	2					6	9.75	4.84	4.91	211		
GGA	3					6	9.74	4.62	5.12	221.5		
Q2522-01	1	No	5.09	7.14	20.40	5	9.74	7.79	-	0	8032.5	pH Adjusted
Q2522-01	2					10	9.73	6.51	3.22	7590		
Q2522-01	3					20	9.71	3.37	6.34	8475		
Q2522-01	4					50	9.56	0.30	-	0		
Q2522-01	5					100	9.26	0.14	-	0		
Q2525-01	1	No	7.87	7.23	20.70	2	9.74	8.14	-	0	87.6	pH Adjusted
Q2525-01	2					10	9.72	6.11	3.61	87.6		
Q2525-01	3					50	9.09	0.21	-	0		
Q2525-01	4					100	8.10	0.17	-	0		
Q2536-01	1	No	5.11	6.70	20.00	5	9.77	8.41	-	0		pH Adjusted
Q2536-01	2					20	9.76	8.21	-	0		
Q2536-01	3					50	9.74	8.11	-	0		
Q2536-01	4					150	9.71	8.02	-	0		
Q2536-02	1	No	5.05	6.99	20.00	5	9.78	8.88	-	0		pH Adjusted
Q2536-02	2					20	9.77	8.20	-	0		
Q2536-02	3					50	9.75	8.01	-	0		
Q2536-02	4					150	9.74	7.90	-	0		
Q2536-03	1	No	4.99	6.67	20.00	5	9.77	8.77	-	0		pH Adjusted
Q2536-03	2					20	9.76	8.51	-	0		
Q2536-03	3					50	9.75	7.86	-	0		
Q2536-03	4					150	9.72	7.76	-	0		
Q2548-02	1	No	6.45	6.77	20.80	5	9.62	7.39	2.23	924	682.13	pH Adjusted
Q2548-02	2					10	9.60	7.16	2.44	525		
Q2548-02	3					20	9.50	4.30	5.2	676.5		
Q2548-02	4					30	9.41	2.69	6.72	603		
Q2548-02DUP	1	No	6.45	6.77	20.80	5	9.64	7.29	2.35	996	709.13	pH Adjusted
Q2548-02DUP	2					10	9.60	7.13	2.47	534		
Q2548-02DUP	3					20	9.51	4.17	5.34	697.5		
Q2548-02DUP	4					30	9.40	2.62	6.78	609		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 07/09/2025

Run Number: LB136419

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 07/09/2025 12:30 **TEMP1 OUT:** 104 °C 07/09/2025 13:30
TEMP2 IN: 103 °C 07/09/2025 14:00 **TEMP2 OUT:** 103 °C 07/09/2025 15:00
TEMP3 IN: 104 °C 07/10/2025 10:00 **TEMP3 OUT:** 103 °C 07/10/2025 11:30
TEMP4 IN: 104 °C 07/10/2025 12:00 **TEMP4 OUT:** 103 °C 07/10/2025 13:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB136419BL	LB136419BL	1.3563	1.3563	100	1.3564	1.3564	1.3564	0.0001	1
2	LB136419BS	LB136419BS	1.4893	1.4893	100	1.5426	1.5426	1.5426	0.0533	533
3	Q2522-01	DRAIN-WATER-TANK-1	1.4819	1.4819	100	1.5314	1.5314	1.5314	0.0495	495
4	Q2525-01	EFFLUENT-COMPOSITE	1.4924	1.4924	1000	1.5457	1.5457	1.5457	0.0533	53.3
5	Q2525-01DUP	EFFLUENT-COMPOSITEDUP	1.4887	1.4887	1000	1.5415	1.5415	1.5415	0.0528	52.8
6	Q2532-01	001-WILLETTS-PT-BLVD (MAY)	1.4817	1.4817	100	1.6598	1.6598	1.6598	0.1781	1781
7	Q2532-02	002-35th-Ave (May)	1.4889	1.4889	200	1.5416	1.5416	1.5416	0.0527	263.5
8	Q2533-01	001 WILLETTS PT BLVD (JUNE)	1.4869	1.4869	100	1.5740	1.5740	1.5740	0.0871	871
9	Q2533-02	002-35th-Ave (JUNE)	1.4944	1.4944	200	1.6441	1.6441	1.6441	0.1497	748.5
10	Q2548-02	COMP	1.4778	1.4778	200	1.5164	1.5164	1.5164	0.0386	193

A = Sample Volume (ml)
 B = Final Empty Dish Weight (g)
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)
 D = Weight (g)

Weight (g) = C - B

Result mg/L = $\frac{D}{A} \times 1000 \times 1000$

WORKLIST(Hardcopy Internal Chain)

136419

WorkList Name : tss q2525

WorkList ID : 190623

Department : Wet-Chemistry

Date : 07-10-2025 07:43:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2522-01	DRAIN-WATER-TANK-1	Water	TSS	Cool 4 deg C	MAJO01	O11	07/08/2025	SM2540 D
Q2525-01 <i>F, H</i>	EFFLUENT-COMPOSITE	Water	TSS	Cool 4 deg C	M&MM01	O33	07/08/2025	SM2540 D
Q2532-01 <i>B</i>	001-WILLETTS-PT-BLVD(MAY)	Water	TSS	Cool 4 deg C	TULL01	O11	07/07/2025	SM2540 D
Q2532-02 <i>B</i>	002-35th-Ave(May)	Water	TSS	Cool 4 deg C	TULL01	O11	07/07/2025	SM2540 D
Q2533-01 <i>D</i>	001 WILLETS PT BLVD (JUNE)	Water	TSS	Cool 4 deg C	TULL01	A12	07/07/2025	SM2540 D
Q2533-02 <i>D</i>	002-35th-Ave(JUNE)	Water	TSS	Cool 4 deg C	TULL01	A12	07/07/2025	SM2540 D
Q2548-02 <i>A</i>	COMP	Water	TSS	Cool 4 deg C	ARAM01	O43	07/09/2025	SM2540 D

Date/Time 07/10/25 08:40
Raw Sample Received by: *SB LDC*
Raw Sample Relinquished by: *SB LDC*

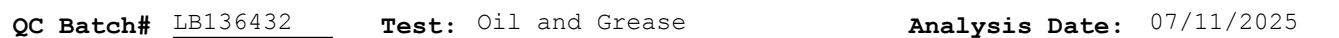
Date/Time 07/10/25 13:00
Raw Sample Received by: *SB LDC*
Raw Sample Relinquished by: *SB LDC*

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: Oil and Grease
Run Number: LB136432
Analysis Date: 07/11/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 07/11/2025
Extraction IN Time: 08:00
Extraction OUT Time: 08:20
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB136432BL	LB136432BL	WATER	1.3	1000	100	2.8563	2.8563	0	2.8564	2.8564	0.0001	0.1
2	LB136432BS	LB136432BS	WATER	1.3	1000	100	2.9103	2.9103	0	2.9271	2.9271	0.0168	16.8
3	Q2525-02	EFFLUENT-GRAB	WATER	1.3	1000	100	3.1138	3.1138	0	3.1143	3.1143	0.0005	0.5
4	Q2570-01	EFFLUENT	WATER	1.6	1000	100	3.0366	3.0366	0	3.0702	3.0702	0.0336	33.6
5	Q2570-04	Q2570-01MS	WATER	1.6	1000	100	2.7411	2.7411	0	2.7948	2.7948	0.0537	53.7
6	Q2570-05	Q2570-01MSD	WATER	1.6	1000	100	2.9633	2.9633	0	3.0171	3.0171	0.0538	53.8



Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	M6069
Sodium Sulfate	EP2624
1:1 HCL	WP112782
Silica Gel	NA
Sand	NA

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP112783
LCSWD	NA	NA
MS/MSD	2.5 ML	WO112784

Analytical Balance ID # : WC SC-6

0.0020 gram Balance:	<u>0.0018</u>	(0.0018-0.0022)	In OVEN TEMP1 :	<u>71 °C</u>	Dessicator Time In1 :	<u>10:01</u>
1.0000 gram Balance:	<u>1.0004</u>	(0.9950-1.0050)	In Time1:	<u>09:25</u>		
Bal Check Time:	<u>08:10</u>		Out OVEN TEMP1:	<u>71 °C</u>	Dessicator Time Out1:	<u>10:35</u>
			Out Time1:	<u>10:00</u>		

0.0020 gram Balance:	<u>0.0019</u>	(0.0018-0.0022)	In OVEN TEMP2 :	<u>70 °C</u>	Dessicator Time In2 :	<u>11:31</u>
1.0000 gram Balance:	<u>1.0004</u>	(0.9950-1.0050)	In Time2:	<u>11:00</u>		
Bal Check Time:	<u>12:15</u>		Out OVEN TEMP2:	<u>70 °C</u>	Dessicator Time Out2:	<u>12:10</u>
			Out Time2:	<u>11:30</u>		

WORKLIST(Hardcopy Internal Chain)

136432

WorkList Name : OIL & GREASE Q2565

WorkList ID : 190649

Department : Wet-Chemistry

Date : 07-11-2025 07:38:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2525-02	EFFLUENT-GRAB	Water	Oil and Grease	Conc H2SO4 to pH < 2	M&MM01	O33	07/08/2025	1664A
Q2570-01	EFFLUENT	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	O33	07/10/2025	1664A
Q2570-04	EFFLUENT-01 MS	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	O33	07/10/2025	1664A
Q2570-05	EFFLUENT-01 MSD	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	O33	07/10/2025	1664A

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

07-11-25 07:45

136432

136432

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

07-11-25

136432

136432

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: TPH
Run Number: LB136433
Analysis Date: 07/11/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 07/11/2025
Extraction IN Time: 08:30
Extraction OUT Time: 09:15
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB136433BL	LB136433BL	WATER	1.3	1000	100	3.1203	3.1203	3.01	3.1204	3.1204	0.0001	0.1
2	LB136433BS	LB136433BS	WATER	1.3	1000	100	3.1855	3.1855	3.02	3.2025	3.2025	0.0170	17
3	LB136433BSD	LB136433BSD	WATER	1.3	1000	100	2.7411	2.7411	3.03	2.7582	2.7582	0.0171	17.1
4	Q2499-01	GRAB	WATER	1.6	1000	100	3.0585	3.0585	3.05	3.1247	3.1247	0.0662	66.2
5	Q2525-02	EFFLUENT-GRAB	WATER	1.3	1000	100	3.1108	3.1108	3.02	3.1111	3.1111	0.0003	0.3
6	Q2548-01	GRAB	WATER	1.6	1000	100	3.0526	3.0526	3.05	3.0970	3.0970	0.0444	44.4
7	Q2565-01	MOO-25-0192-0193	WATER	1.6	1000	100	3.0842	3.0842	3.04	3.0949	3.0949	0.0107	10.7



Alliance
TECHNICAL GROUP

Test: TPH

Analysis Date: 07/11/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	M6069
Sodium Sulfate	EP2624
1:1 HCL	WP112782
Silica Gel	W3079
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	5.00 ML	WP112783
LCSWD	5.00 ML	WP112784
MS/MSD	NA	NA

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 10:48

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 10:00

Bal Check Time: 08:40 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 11:25

Out Time1: 10:47

After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 12:33

1.0000 gram Balance: 1.0003 (0.9950-1.0050) In Time2: 12:00

Bal Check Time: 13:15 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 13:10

Out Time2: 12:30

WORKLIST(Hardcopy Internal Chain)

WB 136433

WorkList Name : tph q2565

WorkList ID : 190648

Department : Wet-Chemistry

Date : 07-11-2025 07:37:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2499-01	GRAB	Water	TPH	Conc H2SO4 to pH < 2	ARAM01	A43	07/02/2025	1664A
Q2525-02	EFFLUENT-GRAB	Water	TPH	Conc H2SO4 to pH < 2	M&MM01	O33	07/08/2025	1664A
Q2548-01	GRAB	Water	TPH	Conc H2SO4 to pH < 2	ARAM01	O43	07/09/2025	1664A
Q2565-01	MOO-25-0192-0193	Water	TPH	Conc H2SO4 to pH < 2	PSEG03		07/10/2025	1664A

Date/Time 07-11-25 07:50

Raw Sample Received by: SP WNC1

Raw Sample Relinquished by: CP S

Date/Time 07-11-25

Raw Sample Received by: CP S

Raw Sample Relinquished by: SP WNC1

14:30

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136477

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP113238
COD calibration std. 100 ppm	WP113237
COD calibration std. 50 ppm	WP113235
COD calibration std. 10 ppm	WP113234
COD calibration std. 0 ppm	WP113233
COD ICV-LCS std, 50ppm	WP113240
COD calibration std. 75 ppm	WP113236
COD Digestion Vials Low Level 0-150Mg/L	W3129
COD CCV std, 50ppm	WP113940
COD ICV-LCS std, 50ppm	WP113941
RL CHECK	WP113942

Temp In (C): 148	Date In: 07/15/2025	Time In: 09:05
Temp Out (C): 151	Date Out: 07/15/2025	Time Out: 11:05

Intercept: 0.8179

Slope: 0.9847

Regression: 0.9995

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.831		05/28/2025	13:10
2	CAL2	10	1	Water	9.000	8.309	-16.9	05/28/2025	13:10
3	CAL3	50	1	Water	52.000	51.977	4	05/28/2025	13:11
4	CAL4	75	1	Water	77.000	77.366	3.2	05/28/2025	13:11
5	CAL5	100	1	Water	99.000	99.708	-0.3	05/28/2025	13:12
6	CAL6	150	1	Water	147.000	148.453	-1	05/28/2025	13:12

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136477

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	51.000	50.962	05/28/2025	13:13
2	ICB		NA	NA	1	Water	0.000	-0.831	05/28/2025	13:13
3	CCV1	50	NA	NA	1	Water	48.000	47.915	07/15/2025	12:10
4	CCB1		NA	NA	1	Water	1.000	0.185	07/15/2025	12:10
5	RL Check	10	NA	NA	1	Water	8.000	7.294	07/15/2025	12:11
6	LB136477BL		NA	NA	1	Water	0.000	-0.831	07/15/2025	12:11
7	LB136477BS	50	NA	NA	1	Water	51.000	50.962	07/15/2025	12:12
8	Q2525-01		NA	NA	1	Water	122.000	123.065	07/15/2025	12:12
9	Q2536-01		NA	NA	1	Water	0.000	-0.831	07/15/2025	12:13
10	Q2536-02		NA	NA	1	Water	0.000	-0.831	07/15/2025	12:13
11	Q2536-03		NA	NA	1	Water	0.000	-0.831	07/15/2025	12:14
12	Q2565-01		NA	NA	50	Water	102.000	102.754	07/15/2025	12:14
13	Q2588-01		NA	NA	50	Water	48.000	47.915	07/15/2025	12:15
14	Q2602-01		NA	NA	1	Water	1.000	0.185	07/15/2025	12:15
15	Q2602-01DUP		NA	NA	1	Water	1.000	0.185	07/15/2025	12:16
16	CCV2	50	NA	NA	1	Water	49.000	48.931	07/15/2025	12:16
17	CCB2		NA	NA	1	Water	0.000	-0.831	07/15/2025	12:17
18	Q2602-01MS	50	NA	NA	1	Water	47.000	46.900	07/15/2025	12:17
19	Q2602-01MSD	50	NA	NA	1	Water	48.000	47.915	07/15/2025	12:18
20	CCV3	50	NA	NA	1	Water	50.000	49.946	07/15/2025	12:18
21	CCB3		NA	NA	1	Water	1.000	0.185	07/15/2025	12:19

WORKLIST(Hardcopy Internal Chain)

LB 136477

WorkList Name : COD-071425

WorkList ID : 190690

Department : Wet-Chemistry

Date : 07-14-2025 08:54:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2588-01	MH-7112025	Water	COD	Conc H2SO4 to pH < 2	EURO03	D41	07/11/2025	SM5220 D
Q2536-01	RW5-SP100-20250708	Water	COD	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	SM5220 D
Q2536-02	RW7-SP100-20250708	Water	COD	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	SM5220 D
Q2536-03	RW8-SP100-20250708	Water	COD	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	SM5220 D
Q2525-01	EFFLUENT-COMPOSITE	Water	COD	Conc H2SO4 to pH < 2	M&MM01	O33	07/08/2025	SM5220 D
Q2565-01	MOO-25-0192-0193	Water	COD	Conc H2SO4 to pH < 2	PSEG03		07/10/2025	SM5220 D
Q2602-01	FRAC-TANK-266380	Water	COD	Conc H2SO4 to pH < 2	PSEG03	D31	07/14/2025	SM5220 D

Date/Time 07/15/25 08:40

Raw Sample Received by: 12/507

Raw Sample Relinquished by: 2866067

Date/Time

07/15/25 09:20

Raw Sample Received by: 2866067

Raw Sample Relinquished by: 12/507

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

SDG No : N/A

Start Digest Date: 07/08/2025 Time : 15:50 Temp : 150 °C

Matrix : WATER

End Digest Date: 07/08/2025 Time : 16:50 Temp : 158 °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:

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature:

RM

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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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ammonia-water-7-7

WorkList ID : 190561

Department : Distillation

Date : 07-07-2025 08:22:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2512-01	WATER-TREATMEN DISCHAR	Water	Ammonia	Conc H2SO4 to pH < 2	VERI01	O13	07/03/2025	SM4500-NH3
Q2525-01	EFFLUENT-COMPOSITE	Water	Ammonia	Conc H2SO4 to pH < 2	M&MM01	O33	07/08/2025	SM4500-NH3

Date/Time 07/08/2025 15:25
 Raw Sample Received by: RMW
 Raw Sample Relinquished by: RMW

Date/Time 07/08/2025 16:10
 Raw Sample Received by: RMW
 Raw Sample Relinquished by: RMW

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

SDG No : N/A

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

Matrix : WATER

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

Pipette ID : WC

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

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 : IZ

pH Meter ID : N/A

Supervisor Signature: *[Signature]*

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

12
07/09/25

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TotalPhos-070925

WorkList ID : 190603

Department : Distillation

Date : 07-09-2025 09:03:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2470-01	SW-1	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ATGG01	A52	06/27/2025	365.3
Q2471-01	SW-1	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ATGG01	A33	07/27/2025	365.3
Q2525-01	EFFLUENT-COMPOSITE	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	M&MM01	O33	07/08/2025	365.3

Date/Time 07/09/25 09:10
 Raw Sample Received by: 12(wc)
 Raw Sample Relinquished by: JRC

Date/Time 07/09/25 10:15
 Raw Sample Received by: JRC
 Raw Sample Relinquished by: 12(wc)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TotalPhos-070925-2

WorkList ID : 190614

Department : Distillation

Date : 07-09-2025 10:52:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2536-01	RW5-SP100-20250708	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	365.3
Q2536-02	RW7-SP100-20250708	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	365.3
Q2536-03	RW8-SP100-20250708	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	TETR06	O21	07/08/2025	365.3

Date/Time 07/09/25 11:15
 Raw Sample Received by: 12(50)
 Raw Sample Relinquished by: 28(000)

Date/Time 07/09/25 11:50
 Raw Sample Received by: 28(000)
 Raw Sample Relinquished by: 12(50)

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 12:30		jignesh	OK
2	LB136401BS	LB136401BS	LCS	07/08/25 12:30		jignesh	OK
3	Q2525-01	EFFLUENT-COMPOS	SAM	07/08/25 12:30		jignesh	OK
4	Q2525-01DUP	EFFLUENT-COMPOS	DUP	07/08/25 12:30		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			OK
2	CAL2	CAL2	CAL	07/09/25 14:15			OK
3	CAL3	CAL3	CAL	07/09/25 14:16			OK
4	CAL4	CAL4	CAL	07/09/25 14:16			OK
5	CAL5	CAL5	CAL	07/09/25 14:17			OK
6	CAL6	CAL6	CAL	07/09/25 14:17			OK
7	ICV	ICV	ICV	07/09/25 14:18			OK
8	ICB	ICB	ICB	07/09/25 14:18			OK
9	CCV1	CCV1	CCV	07/09/25 14:19			OK
10	CCB1	CCB1	CCB	07/09/25 14:19			OK
11	RL Check	RL Check	RL	07/09/25 14:20			OK
12	PB168769BL	PB168769BL	MB	07/09/25 14:20			OK
13	PB168769BS	PB168769BS	LCS	07/09/25 14:21			OK
14	Q2470-01	SW-1	SAM	07/09/25 14:21			OK
15	Q2470-01DUP	SW-1DUP	DUP	07/09/25 14:22			OK
16	Q2470-01MS	SW-1MS	MS	07/09/25 14:22			OK
17	Q2470-01MSD	SW-1MSD	MSD	07/09/25 14:23			OK
18	Q2471-01	SW-1	SAM	07/09/25 14:23			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		OK
20	Q2536-01	RW5-SP100-2025070	SAM	07/09/25 14:24		OK
21	Q2536-02	RW7-SP100-2025070	SAM	07/09/25 14:25		OK
22	CCV2	CCV2	CCV	07/09/25 14:25		OK
23	CCB2	CCB2	CCB	07/09/25 14:26		OK
24	Q2536-03	RW8-SP100-2025070	SAM	07/09/25 14:26		OK
25	Q2525-01DL	EFFLUENT-COMPOS	SAM	07/09/25 14:27		OK
26	CCV3	CCV3	CCV	07/09/25 14:27		OK
27	CCB3	CCB3	CCB	07/09/25 14:28		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,WP111323		

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-BL	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		

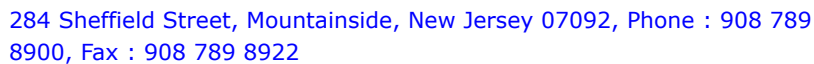
Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/28/25 13:10		Iwona	OK
2	CAL2	CAL2	CAL	05/28/25 13:10		Iwona	OK
3	CAL3	CAL3	CAL	05/28/25 13:11		Iwona	OK
4	CAL4	CAL4	CAL	05/28/25 13:11		Iwona	OK
5	CAL5	CAL5	CAL	05/28/25 13:12		Iwona	OK
6	CAL6	CAL6	CAL	05/28/25 13:12		Iwona	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



Order ID :	Q2525
Test :	Ammonia,BOD Soluble,BOD5,COD,Color,Oil and Grease,Phosphorus-Total,TDS,TPH,TSS
Prepbatch ID :	PB168758,PB168769,
Sequence ID/Qc Batch ID:	LB136401,LB136402,LB136405,LB136411,LB136412,LB136413,LB136419,LB136432,LB136433,LB136434,LB136435,LB136436,LB136437,LB136438,LB136439,LB136440,LB136441,LB136442,LB136443,LB136444,LB136445,LB136446,LB136447,LB136448,LB136449,LB136450,LB136451,LB136452,LB136453,LB136454,LB136455,LB136456,LB136457,LB136458,LB136459,LB136460,LB136461,LB136462,LB136463,LB136464,LB136465,LB136466,LB136467,LB136468,LB136469,LB136470,LB136471,LB136472,LB136473,LB136474,LB136475,LB136476,LB136477,LB136478,LB136479,LB136480,LB136481,LB136482,LB136483,LB136484,LB136485,LB136486,LB136487,LB136488,LB136489,LB136490,LB136491,LB136492,LB136493,LB136494,LB136495,LB136496,LB136497,LB136498,LB136499,LB136500

EP2624,WP111317,WP111318,WP111323,WP111325,WP111385,WP111660,WP111745,WP112611,WP112612,WP112615,WP112782,WP112783,WP112784,WP112828,WP112831,WP112832,WP112913,WP112914,WP113112,WP113113,WP113231,WP113232,WP113233,WP113234,WP113235,WP113236,WP113237,WP113238,WP113240,WP113378,WP113449,WP113450,WP113846,WP113847,WP113848,WP113849,WP113850,WP113852,WP113866,WP113867,WP113868,WP113869,WP113870,WP113871,WP113872,WP113873,WP113876,WP113877,WP113878,WP113938,WP113939,WP113940,WP113941,WP113942.

AS PER
PB168757,E3551,E3917,M6041,M6069,M6151,W2306,W2650,W2653,W2654,W2664,W2666,W2700,W2784,W2788,W
2817,W2858,W2871,W3009,W3035,W3074,W3079,W3082,W3103,W3105,W3109,W3112,W3113,W3129,W3132,W313
3,W3144,W3149,W3155,W3169,W3174,W3195,W3196,W3198,W3204,W3206,W3212,W3215,W3219,WQ 112784.



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/26/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1796	NaOH, 0.1N	WP111317	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_7 (WCS-6)	None	Iwona Zarych 01/09/2025
<u>FROM</u>	4.00000gram of W3113 + 996.00000ml of W3112 = Final Quantity: 1000.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1471	NaOH Solution, 6N	WP111318	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_7 (WC SC-6)	None	Iwona Zarych 01/09/2025
<u>FROM</u> 240.00000gram of W3113 + 760.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1571	Sodium hydroxide, 1N	WP111323	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 01/09/2025
<u>FROM</u> 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1494	BORATE BUFFER	WP111325	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCS)	None	Iwona Zarych 01/09/2025
<u>FROM</u> 100.00000L of W3112 + 9.50000gram of W2700 + 88.00000ml of WP111317 = Final Quantity: 100.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
290	Phenol reagent for Ammonia	WP111385	01/13/2025	07/13/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCS-7)	None	Iwona Zarych 01/13/2025
<u>FROM</u> 3.20000gram of W3113 + 8.30000gram of W2858 + 88.80000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
635	EDTA BUFFER FOR AMMONIA	WP111660	01/28/2025	07/28/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC-SC-7)	None	Iwona Zarych 01/28/2025
<u>FROM</u> 5.50000gram of W3113 + 50.00000gram of W3132 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
289	Sodium Hypochlorite for Ammonia	WP111745	02/03/2025	07/31/2025	Rubina Mughal	None	None	Iwona Zarych 02/03/2025
<u>FROM</u> 50.00000ml of W3112 + 50.00000ml of W3174 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
153	Ammonia Stock Std. (1000 ppm)	WP112611	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 04/07/2025
<u>FROM</u> 3.81900gram of W3196 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1895	Ammonia Stock Std, 1000PPM-SS	WP112612	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 04/07/2025
<u>FROM</u>	3.81900gram of W3195 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml							

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1211	11 N sulfuric acid	WP112615	04/03/2025	10/07/2025	Niha Farheen Shaik	None	None	Iwona Zarych
								04/07/2025

FROM 306.00000ml of M6041 + 694.00000ml of W3112 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
229	1:1 HCL	WP112782	04/22/2025	08/18/2025	Jignesh Parikh	None	None	Iwona Zarych
								04/22/2025

FROM 500.00000ml of M6151 + 500.00000ml of W3112 = Final Quantity: 1.000 L



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2470	1664A SPIKING SOLN	WP112783	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCS-7)	None	Iwona Zarych 04/22/2025
<u>FROM</u>	1000.00000ml of E3917 + 4.00000gram of W2817 + 4.00000gram of W2871 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3374	1664A QCS spiking solution-SS	WP112784	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 04/22/2025
<u>FROM</u>	1000.00000ml of E3917 + 4.00000gram of W3009 + 4.00000gram of W3082 = Final Quantity: 1000.000 ml							

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1597	0.04 N H2SO4	WP112828	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_FIPETTE_3 (WC)	Iwona Zarych 04/25/2025

FROM 1.00000ml of M6041 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
126	5N sulfuric acid	WP112831	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 140.00000ml of M6041 + 860.00000ml of W3112 = Final Quantity: 1.000 L

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1841	Sulfuric Acid, 1N	WP112832	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_FIPETTE_3 (WC)	Iwona Zarych 04/25/2025

FROM 2.80000ml of M6041 + 97.20000ml of W3112 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
115	Phosphate Stock Std. (50 ppm)	WP112913	05/01/2025	11/01/2025	Iwona Zarych	WETCHEM_SCALE_5 (WC SC-5)	None	Jignesh Parikh 05/06/2025

FROM 0.11000gram of W3198 + 500.00000ml of W3112 = Final Quantity: 500.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2790	Phosphate Stock std, 50PPM-SS	WP112914	05/01/2025	11/01/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 05/06/2025
<u>FROM</u>	0.11000gram of W3206 + 500.00000ml of W3112 = Final Quantity: 500.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
648	Ammonium molybdate solution	WP113112	05/16/2025	11/16/2025	Iwona Zarych	WETCHEM_SCALE_5 (WC-5)	None	Jignesh Parikh 05/16/2025
<u>FROM</u>	20.00000gram of W2664 + 480.00000ml of W3112 = Final Quantity: 500.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
588	Potassium Antimonyl Tartrate	WP113113	05/16/2025	11/16/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh 05/16/2025
<u>FROM</u>	1.37150gram of W2306 + 500.00000ml of W3112 = Final Quantity: 500.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP113231	05/28/2025	06/04/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh
<u>FROM</u> 0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP113232	05/28/2025	06/04/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 05/28/2025
<u>FROM</u>	0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
139	COD calibration std. 0 ppm	WP113233	05/28/2025	06/04/2025	Iwona Zarych	None	None	Jignesh Parikh 05/28/2025
<u>FROM</u> 10.00000ml of W3112 = Final Quantity: 10.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
138	COD calibration std. 10 ppm	WP113234	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 05/28/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP113231 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
137	COD calibration std. 50 ppm	WP113235	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 05/28/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113231 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4161	COD calibration std. 75 ppm	WP113236	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
<u>FROM</u>		(WC)						
9.25000ml of W3112 + 0.75000ml of WP113231 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
136	COD calibration std. 100 ppm	WP113237	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/28/2025
<u>FROM</u> 9.00000ml of W3112 + 1.00000ml of WP113231 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
135	COD calibration std. 150 ppm	WP113238	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/28/2025
<u>FROM</u>	8.50000ml of W3112 + 1.50000ml of WP113231 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP113240	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/28/2025
<u>FROM</u> 9.50000ml of W3112 + 0.50000ml of WP113232 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1213	Phenolphthalein indicator	WP113378	06/04/2025	12/04/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCS)	None	Jignesh Parikh
<u>FROM</u> 0.10000gram of W2650 + 50.00000ml of W2788 + 50.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1639	Ammonia Intermediate Std-Second source, 50PPM	WP113449	06/09/2025	07/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 06/10/2025
<u>FROM</u>	95.00000ml of W3112 + 5.00000ml of WP112612 = Final Quantity: 100.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1322	Ammonia Intermediate Std, 50PPM	WP113450	06/09/2025	07/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 06/10/2025
<u>FROM</u> 95.00000ml of W3112 + 5.00000ml of WP112611 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
127	BOD Dilution fluid	WP113846	07/09/2025	07/10/2025	Rubina Mughal	None	None	Iwona Zarych 07/09/2025
<u>FROM</u> 18.00000L of W3112 + 3.00000PILLOW of W3144 = Final Quantity: 18.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
129	Glutamic acid-glucose mix for BOD	WP113847	07/09/2025	07/10/2025	Rubina Mughal	WETCHEM_SCALE_7 (WCS-6)	None	Iwona Zarych 07/09/2025
<u>FROM</u> 0.15000gram of W2653 + 0.15000gram of W2654 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
128	polyseed seed control	WP113848	07/09/2025	07/10/2025	Rubina Mughal	None	None	Iwona Zarych 07/09/2025
<u>FROM</u> 1.00000PILLOW of W3212 + 300.00000ml of WP113846 = Final Quantity: 300.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
275	Ammonia Calibration Std. (2 ppm)	WP113849	07/09/2025	07/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC) FROM 48.00000ml of W3112 + 2.00000ml of WP113450 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
285	Ammonia CCV Std. (1 ppm)	WP113850	07/09/2025	07/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/09/2025
FROM 49.00000ml of W3112 + 1.00000ml of WP113450 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
740	sodium nitroferricyanide for ammonia	WP113852	07/09/2025	08/09/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCS-5)	None	Iwona Zarych 07/09/2025
<u>FROM</u> 0.05000gram of W2666 + 99.95000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
122	calibration std. 0 ppm	WP113866	07/09/2025	07/16/2025	Iwona Zarych	None	None	Jignesh Parikh
<u>FROM</u> 100.00000ml of W3112 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
121	calibration std. phosphate 0.05 ppm	WP113867	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 99.90000ml of W3112 + 0.10000ml of WP112913 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
120	calibration std. phosphate 0.1 ppm	WP113868	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 99.80000ml of W3112 + 0.20000ml of WP112913 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
119	calibration std. phosphate 0.3 ppm	WP113869	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 99.40000ml of W3112 + 0.60000ml of WP112913 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
118	calibration std. phosphate 0.5 ppm	WP113870	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 99.00000ml of W3112 + 1.00000ml of WP112913 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
117	calibration std. phosphate 1 ppm	WP113871	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 98.00000ml of W3112 + 2.00000ml of WP112913 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
124	phosphate CCV std.	WP113872	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025
FROM 99.00000ml of W3112 + 1.00000ml of WP112913 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3805	Phosphate ICV-LCS Std	WP113873	07/09/2025	07/16/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/09/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP112914 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
590	Ascorbic Acid	WP113876	07/09/2025	07/10/2025	Iwona Zarych	WETCHEM_S CALE_7 (WC SC-6)	None	Jignesh Parikh 07/09/2025

FROM 0.52800gram of W3074 + 30.00000ml of W3112 = Final Quantity: 30.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
658	Combined reagent	WP113877	07/09/2025	07/10/2025	Iwona Zarych	WETCHEM_SCALE_7 (WCS-6)	None	Jignesh Parikh
FROM 15.00000ml of WP113112 + 30.00000ml of WP113876 + 5.00000ml of WP113113 + 50.00000ml of WP112831 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1571	Sodium hydroxide, 1N	WP113878	07/09/2025	12/31/2025	Iwona Zarych	WETCHEM_SCALE_7 (WCS-6)	None	Jignesh Parikh 07/09/2025
<u>FROM</u> 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP113938	07/15/2025	07/22/2025	Iwona Zarych	WETCHEM_SCALE_7 (WCS-6)	None	Jignesh Parikh
<u>FROM</u> 0.08500gram of W3219 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP113939	07/15/2025	07/22/2025	Iwona Zarych	WETCHEM_SCALE_7 (WCS-6)	None	Jignesh Parikh
FROM 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2458	COD CCV std, 50ppm	WP113940	07/15/2025	07/22/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 07/15/2025
FROM 9.50000ml of W3112 + 0.50000ml of WP113938 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP113941	07/15/2025	07/22/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 07/15/2025
<u>FROM</u> 9.50000ml of W3112 + 0.50000ml of WP113939 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4162	RL CHECK	WP113942	07/15/2025	07/22/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
(WC) FROM 9.90000ml of W3112 + 0.10000ml of WP113938 = Final Quantity: 10.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140440 / TEST PAPERS,PH,0-2.5,.2SENSI, 100PK	80A0441	02/29/2028	09/03/2024 / jignesh	08/19/2024 / Jaswal	M6069

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A1561-500GM / POTASSIUM ANTIMONY TARTRATE TRIHYDRATE, 500G	2GH0057	12/11/2027	12/11/2017 / apatel	12/11/2017 / apatel	W2306

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2870-1 / PHENOLPHTHALEIN, INDICATOR F/TITRATION, 500G	0000235350	06/04/2025	01/31/2020 / AMANDEEP	01/20/2020 / apatel	W2650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AC156212500 / GLUTAMIC ACID BIOCHEM REG, 250G	A0405990	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2653

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	D16-500 / DEXTROSE ANHYDROUS ACS REAGENT, 500G(New)	186122A	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2654

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J07716-1 / Ammonium Molybdate 500G	0000234410	02/11/2026	02/10/2020 / AMANDEEP	01/31/2020 / apatel	W2664

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	87683 / Sodium Nitroferricyanide 250g	W12F013	02/10/2030	02/10/2020 / apatel	02/10/2020 / apatel	W2666

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3568-1 / Sodium Borate, 500 gms	2019111354	04/23/2025	04/23/2020 / apatel	03/11/2020 / apatel	W2700

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	201089	06/30/2025	12/23/2020 / apatel	12/16/2020 / apatel	W2784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC16721-3 / Isopropanol, 99%	C20F23007	06/30/2025	12/30/2020 / apatel	12/30/2020 / apatel	W2788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U20E006	04/02/2026	04/02/2021 / apatel	04/02/2021 / apatel	W2817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P1060-10 / PHENOL, ACS, 500G	M13H048	01/07/2026	07/07/2021 / apatel	07/07/2021 / apatel	W2858

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	0000266903	05/04/2027	09/07/2021 / apatel	08/26/2021 / apatel	W2871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	SHBP8192	02/27/2028	02/27/2023 / lwona	02/27/2023 / lwona	W3009

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	BDH0214-500G / Ammonium Persulfate Crystal, 500g	MKCR9319	06/30/2028	03/05/2024 / Iwona	06/06/2023 / Iwona	W3035

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0938-7 / Ascorbic Acid, 500 gms	MKCS4627	09/30/2025	01/16/2024 / Iwona	01/16/2024 / Iwona	W3074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	04667-2.5 / Silica Gel (60-200 mesh), 2.5 KG	072154301	01/30/2029	05/07/2024 / jignesh	01/30/2024 / jignesh	W3079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U23E020	02/26/2029	02/26/2024 / Iwona	02/26/2024 / Iwona	W3082

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	4620-32 / MANGANOUS SULFATE SOLUTION-364	2403J02	03/31/2026	04/22/2024 / Iwona	04/22/2024 / Iwona	W3103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL69870-8 / SODIUM THIOSULFATE,0.025N,4LITRE	4403S13	09/30/2025	04/22/2024 / Iwona	04/22/2024 / Iwona	W3105

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL04100-4 / Alkaline Iodide Azide, 1 L	1405D67	04/30/2026	05/23/2024 / Iwona	05/23/2024 / Iwona	W3109

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	13821	10/31/2027	06/16/2025 / Iwona	07/25/2024 / Iwona	W3129

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC05050-1 / EDTA, disodium salt, dihydrate 1 lb	2ND0156	07/10/2026	07/26/2024 / Iwona	07/26/2024 / Iwona	W3132

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140476 / Test Paper, PH Short Range 9.0/10.0	L23	08/22/2029	08/22/2024 / Iwona	08/22/2024 / Iwona	W3133

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	1486266 / BOD Nutrient Buffer Pillows, 6 mL concentrate to make 6 L, 50/pk	A4169	06/30/2029	11/20/2024 / rubina	10/01/2024 / lwona	W3144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL70850-8 / Starch Solution, 4L	4408P62	08/31/2026	10/16/2024 / lwona	10/16/2024 / lwona	W3149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140730 / TEST PAPER,POT.IOD-STRCH,P K100,CS12	14-860	12/02/2029	12/02/2024 / lwona	12/02/2024 / lwona	W3155

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24H0956262	04/28/2026	01/03/2025 / lwona	01/03/2025 / lwona	W3169

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J9416-1 / Sodium Hypochlorite 500 ml	2501J28	07/31/2025	01/24/2025 / lwona	01/24/2025 / lwona	W3174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	24L0356561	08/31/2027	03/19/2025 / lwona	03/19/2025 / lwona	W3195

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	MKCV1009	09/30/2026	03/19/2025 / lwona	03/19/2025 / lwona	W3196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3246-1 / POTAS PHOSPHATE, MONO, CRY, ACS, 500G	MKCW6723	10/31/2028	04/11/2025 / lwona	04/11/2025 / lwona	W3198

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25c0362005	04/30/2026	04/22/2025 / jignesh	04/18/2025 / jignesh	W3204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3246-1 / POTAS PHOSPHATE, MONO, CRY, ACS, 500G	MKCX1379	01/31/2029	04/29/2025 / lwona	04/29/2025 / lwona	W3206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	136742-80 / POLYSEED	132409	09/30/2026	05/21/2025 / lwona	05/21/2025 / lwona	W3212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK	10D3242	12/31/2028	06/09/2025 / lwona	06/09/2025 / lwona	W3215

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	2025040493	06/30/2030	06/26/2025 / lwona	06/26/2025 / lwona	W3219



CERTIFICATE OF ANALYSIS

Printed: 12/8/2017

Page 1 of 1

Customer No : 30017
Order Number : 3008126
Catalog : A1561

Customer : PCI SCIENTIFIC
Delivery # : 58495347
Potassium Antimony Tartrate Trihydrate,
Reagent, ACS

Customer PO : 6035343

Lot : 2GH0057

Chemical Formula : $C_8H_4K_2O_{12}Sb_2 \cdot 3H_2O$
CAS# : 28300-74-5

Formula Weight : 667.87

W2306
received
12/11/17
AB

Test

Limit
Min. Max.

Results

ASSAY ($C_8H_4K_2O_{12}Sb_2 \cdot 3HO$)	99.0 - 103.0 %	101.0 %
TITRATABLE ACID OR BASE	-- 0.020 meq/g	<0.020 meq/g
LOSS ON DRYING	-- 2.7 %	<2.7 %
ARSENIC (As)	-- 0.015 %	<0.015 %
APPEARANCE		WHITE POWDER
DATE OF MANUFACTURE		29-DEC-2015

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and MSDS/SDS before handling any chemical. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. The customer must ensure to provide its users adequate hazardous material training and appropriate protective gears before handling our chemicals.

Certificate of Analysis Results Certified By:

Ammonium Molybdate, 4-Hydrate, Crystal
BAKER ANALYZED® A.C.S. Reagent

(ammonium heptamolybdate, tetrahydrate)



Material No.: 0716-01
Batch No.: 0000234410
Manufactured Date: 2019/02/13
Retest Date: 2026/02/11
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (as MoO ₃)	81.0 – 83.0 %	81.4
ACS – Insoluble Matter	<= 0.005 %	< 0.001
Chloride (Cl)	<= 0.002 %	< 0.002
Nitrate (NO ₃)	Passes Test	PT
Arsenate, Phosphate and Silicate (as SiO ₂)	<= 0.001 %	< 0.001
ACS – Phosphate (PO ₄)	<= 5 ppm	< 5
Sulfate (SO ₄)	<= 0.02 %	< 0.02
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Magnesium (Mg)	<= 0.005 %	< 0.001
Potassium (K)	<= 0.01 %	< 0.01
Sodium (Na)	<= 0.01 %	<0.001

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Phenolphthalein, Powder
BAKER ANALYZED® A.C.S. Reagent



Material No.: 2870-01
Batch No.: 0000235350
Manufactured Date: 2018/06/06
Retest Date: 2025/06/04
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Clarity of Solution	Passes Test	PT
Visual Transition Interval – pH...8.0 (Colorless)	Passes Test	PT
Visual Transition Interval – pH...10.0 (Red)	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hexadecane, 99.0%



Material No.: H223-57
Batch No.: 0000266903
Manufactured Date: 2020/05/05
Retest Date: 2027/05/04
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ($\text{CH}_3(\text{CH}_2)_{14}\text{CH}_3$) (by GC)	$\geq 99.0 \%$	99.3
Infrared Spectrum	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

W2858 Received by AP on 07/07/2021

Product No.: 33213
Product: Phenol, ACS, 99+%, stab.
Lot No.: M13H048

Test	Limits	Results
Assay	99.0 % min	99.8 %
Freezing point	40.5°C min	40.5 °C
Clarity of solution	To pass test	Passes
Residue after evaporation	0.05 % max	< 0.05 %
Water	0.5 % max	0.2 %

Retest date: January 7, 2026

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W2666 Recived on 02/10/2020 by AP

Product No.: 87683

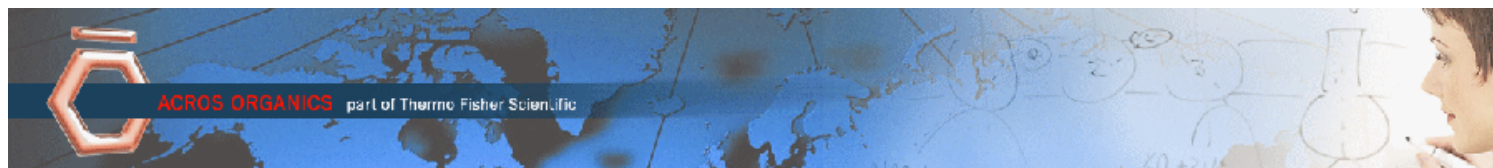
Product: Sodium pentacyanonitrosylferrate(III) dihydrate, ACS,
99.0-102.0%

Lot No.: W12F013

Test	Limits	Results
Assay	99.0 - 102.0 %	99.67 %
Insoluble	0.01 % max	0.0079 %
Chloride	0.02 % max	Not detected
Sulfate	To pass test	Passes test
Aqueous solubility	To pass test	Passes test
Limit on Ferricyanide	To pass test	Passes test
Limit on Ferrocyanide	To pass test	Passes test

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ACROS
ORGANICS

Version 0
Molecular weight 147.13
Molecular formula C₅ H₉ N O₄
CAS No 56-86-0
Linear formula HO₂CCH₂CH₂CH(NH₂)CO₂H
Flash point (°C)

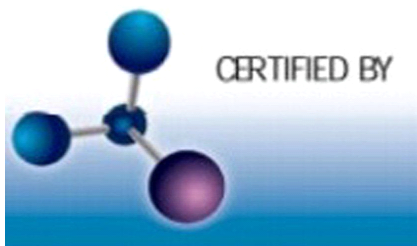
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Catalog Number	15621	Quality Test / Release Date	13 March 2019
Lot Number	A0405990	Suggested Retest Date	March 2022
Description	L(+)-Glutamic acid, 99%		
Country of Origin	CHINA		
Declaration of Origin	plant		

Origin Comment	The product is made by fermentation of sugar molasses
-----------------------	---

Result Name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Titration with NaOH	98.5 to 100.5 % (On dried substance)	99.32 % (On dried substance)
Loss on drying	=<0.5 % (105°C, 3 hrs)	0.002 % (105°C, 3 hrs)
Heavy metals (as Pb)	=<10 ppm	=<10 ppm
Sulfated ash	=<0.1 %	0.08 %
Other amino acids	not detectable	not detectable
Specific optical rotation	+30.5° to +32.5° (20°C, 589 nm) (on dried substance)	+32° (20°C, 589 nm) (on dried substance)
Specific optical rotation	(c=10, 2N HCl)	(c=10, 2N HCl)
Chloride (Cl)	=<200 ppm	=<200 ppm
Iron (Fe)	=<30 ppm	=<10 ppm
Sulfate (SO ₄)	=<300 ppm	=<200 ppm
Ammonium (NH ₄)	=<200 ppm	=<200 ppm
Arsenic oxide (As ₂ O ₃)	=<1 ppm	=<1 ppm



A handwritten signature in black ink, which appears to read "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 24 January 2020

Acros Organics

ENA23, zone 1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium

Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: <http://www.acros.com>

1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329

Product Name: Stearic acid, 98%, Thermo Scientific Chemicals
Catalog Number: A12244.14

CAS Number: 57-11-4
Molecular Formula: C₁₈H₃₆O₂
Molecular Weight: 284.48
InChI Key: QIQXTHQIDYTRH-UHFFFAOYSA-N
SMILES: CCCCCCCCCCCCCCCC(O)=O
Synonym: stearic acid acide stearique hydrofol acid 1855 hydrofol acid 1655 industrene 5016
stearic acid, ion(1-) (8Cl) glycon TP glycon DP acidum stearinicum hydrofol acid 150

Product Specification

Appearance (Color): White
Form: Crystals or powder or crystalline powder or flakes or waxy solid
Assay (Silylated GC): ≥97.5%
Melting Point (clear melt): 67.0-74.0°C

Date Of Print: 11/30/2023

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.



CERTIFICATE OF ANALYSIS

Product Name ISOPROPYL ALCOHOL, 99%
Grade Meets ACS/USP/NF Monographs
Catalog # 231000099, zp231000099
Lot # C20F23007
Date of Manufacture: 06/23/20 **W2788 Received on 12/30/2020 by AP**
Recommended Retest Date: Five Years from Date of Manufacture

TEST	MONO GRAPH	SPECIFICATION	RESULT
Assay (corrected for water)	USP	99.0% min	99.92%
Assay (corrected for water)	ACS	99.5% min	
Solubility in water	ACS ⁺	To Pass Test	Pass
Appearance	ACS ⁺	Clear, colorless liquid	Pass
Color, APHA	ACS	10 max	1
Limit of Nonvolatile Residue	USP ⁺	NMT 2.5 mg (0.005%)	0.1 mg
Residue after Evaporation	ACS ⁺	0.001% max	< 0.001%
Specific Gravity	USP	0.783 - 0.787 @25°C	0.783
Identification A - Infrared Absorption	USP	To Pass Test	Pass
Identification B	USP	To Pass Test	Pass
Refractive Index @ 20°C	USP	1.376-1.378	1.377
Acidity	USP ⁺	NMT 0.70 ml of 0.020N NaOH is required	0.30 mL
Titration Acid or Base	ACS ⁺	0.0001 meq/g max	0.0001 meq/g
Carbonyl Compounds	ACS	Propionaldehyde 0.002% max	< 0.002%
		Acetone 0.002% max	None Detected
Limit of Volatile Impurities	USP	Diethyl Ether NMT 0.1%	< 0.1%
		Acetone NMT 0.1%	None Detected
		Diisopropyl Ether NMT 0.1%	< 0.1%
		n-Propyl Alcohol NMT 0.1%	< 0.1%
		2-Butanol NMT 0.1%	< 0.1%
		Total NMT 1.0%	< 0.1%
Water, wt%	ACS	NMT 0.2%	0.05%
Water Determination	USP	NMT 0.5%	

⁺This test is performed quarterly

Certification and Compliance Statements

This lot of Isopropyl Alcohol complies with all of the current requirements listed in the United States Pharmacopeia, American Chemical Society monographs and the National Formulary.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Isopropyl Alcohol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in IPA. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

Approved by: D. Simoncelli, Quality Control Chemist

Date of Approval: 06/23/2020



W3009
rec. 2/27/2023 12

Product Name:

Hexadecane - ReagentPlus®, 99%

Certificate of Analysis

Product Number:

H6703

Batch Number:

SHBP8192

 $\text{CH}_3(\text{CH}_2)_{14}\text{CH}_3$

Brand:

SIAL

CAS Number:

544-76-3

MDL Number:

MFCD00008998

Formula:

C16H34

Formula Weight:

226.44 g/mol

Quality Release Date:

04 AUG 2022

Test	Specification	Result
Appearance (Color)	Colorless or White	Colorless
Appearance (Form)	Liquid or Solid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Refractive index at 20 ° C	1.432 - 1.436	1.435
Purity (GC)	≥ 98.5 %	99.3 %
Color Test	≤ 20 APHA	< 5 APHA


Larry Coers, Director

Quality Control

Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



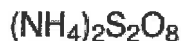
W 3035
rec. 6/6/23 12

Product Name:

Certificate of Analysis

Ammonium persulfate - ACS reagent, $\geq 98.0\%$

Product Number: 248614
Batch Number: MKCR9319
Brand: SIGALD
CAS Number: 7727-54-0
MDL Number: MFCD00003390
Formula Weight: 228.20 g/mol
Quality Release Date: 13 OCT 2022



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder or Crystals or Granules or Chunks	Crystals
ICP Major Analysis	Confirmed	Confirmed
Confirms Sulfur Component		
Titration by KMNO ₄	$\geq 98.0 \%$	100.0 %
Residue on ignition (Ash)	$\leq 0.05 \%$	$< 0.05 \%$
Insoluble Matter	$\leq 0.005 \%$	0.002 %
c = 10 %; In Water		
Chloride and Chlorate (as Cl)	$\leq 0.001 \%$	$< 0.001 \%$
Iron (Fe)	$\leq 0.001 \%$	$< 0.001 \%$
Heavy Metal	$\leq 0.005 \%$	$< 0.001 \%$
as Lead		
Manganese (Mn)	$\leq 0.5 \text{ ppm}$	$< 0.1 \text{ ppm}$
Titrateable Acid (meq/g)	≤ 0.04	< 0.04
Meets ACS Requirements	Current ACS Specification	Conforms


Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate Of Analysis



Date of Release: 11/14/2019

W2700 Recived by AP on 3/11/2020

Name: **Sodium Borate, Decahydrate**
ACS

Item No: **SX0355 All Sizes**

Lot / Batch No: **2019111354**

Country of Origin: **India**

Item	Specifications	Analysis
Assay (Na ₂ B ₄ O ₇ • 10H ₂ O)	99.5 - 105.0%	101.7%
Calcium (Ca)	0.005% max.	0.003%
Chloride (Cl)	0.001% max.	<0.001%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy Metals (as Pb)	0.001% max.	<0.001%
Insoluble Matter	0.005% max.	0.002%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.01 M solution at 25C	9.15 - 9.20	9.17
Phosphate (PO ₄)	0.001% max.	<0.001%
Sulfate (SO ₄)	0.005% max.	<0.005%

Joe Schoellkopf

Quality Control Manager

This document has been produced electronically and is valid without a signature .

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation

400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0



Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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Catalog Number	D16	Quality Test / Release Date	03/19/2019
Lot Number	186122A		
Description	DEXTROSE, ANHYDROUS, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Mar/2022
Chemical Origin	Organic - Plant		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment			

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White, granular powder
TITRATABLE ACID	MEQ/G	<= 0.002	<0.002
STARCH		= PASS TEST	pass test
SPECIFIC ROTATION @ 25 C	DEGREES (+ OR -)	Inclusive Between +52.5 - +53.0	53.0
SULFATE & SULFITE	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
CHLORIDE	%	<= 0.01	<0.01
IGNITION RESIDUE	%	<= 0.02	<0.02
IDENTIFICATION	PASS/FAIL	= PASS TEST	pass test
HEAVY METALS (as Pb)	ppm	<= 5	<5
LOSS ON DRYING @ 105 C	%	<= 0.2	<0.2
INSOLUBLE MATTER	%	<= 0.005	0.002

Jerisa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above. If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Certificate of Analysis

1 Reagent Lane

Fair Lawn, NJ 07410

201.796.7100 tel

201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
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Catalog Number	P243	Quality Test / Release Date	06/19/2020
Lot Number	201089		
Description	POTASSIUM HYDROGEN PHTHALATE, ACIDIMETRIC STANDARD, A.C.S.		
Country of Origin	Spain	Suggested Retest Date	Jun/2025
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	WHITE CRYSTALS
ASSAY POTASSIUM HYDROGEN PHTHALATE	%	Inclusive Between 99.95 - 100.05	100.03
CHLORINE COMPOUNDS	%	<= 0.003	<0.003
HEAVY METALS (as Pb)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
PH OF 0.05M SOLUTION		Inclusive Between 4.00 - 4.02	4.00
SODIUM (Na)	%	<= 0.005	<0.005
SULFUR COMPOUNDS	%	<= 0.002	<0.002%
TRACEABLE TO NIST	SOD CARBONATE	= LOT 351a	351a
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	84L



Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M 6041-4b
MS

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

 **avantor™**

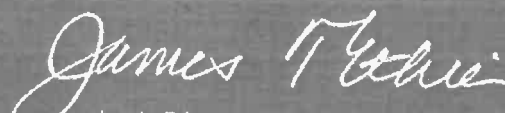


Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



Certificate of Analysis

Product information

Product	pH-Fix 0.3-2.3
REF	92180
LOT	80A0441
Expiration date:	29.02.2028
Date of examination:	23.01.2024
Gradation:	pH 0.3-0.7-1.0-1.3-1.6-1.9-2.3

Confirmation

Hereby we confirm, that the above mentioned product has successfully passed our quality control system in accordance with ISO 9001 and meets the specific quality criteria.

This document has been produced electronically and is valid without a signature.



Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantor™**



M6151

R → 11/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantorsm**



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA–ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
------	---------------	--------

For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.
Jamie Ethier
Vice President Global Quality

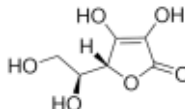
W3074 Rec. on 01/16/24 by IZ

Certificate of Analysis

Product Name:

L-Ascorbic acid - ACS reagent, ≥99%

Product Number: 255564
Batch Number: MKCS4627
Brand: SIAL
CAS Number: 50-81-7
MDL Number: MFCD00064328
Formula: C₆H₈O₆
Formula Weight: 176.12 g/mol
Quality Release Date: 21 NOV 2022
Recommended Retest Date: SEP 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Powder
Powder, Crystals, Crystalline Powder, Granules and/or Chunks		
Infrared Spectrum	Conforms to Structure	Conforms
Optical Rotation (+); c = 10%; Water	20.5 - 21.5 deg	20.7 deg
Titration by Iodine	≥ 99.0 %	99.4 %
Residue on Ignition	≤ 0.10 %	0.03 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals by ICP-OES	≤ 0.002 %	0.001 %
Recommended Retest Period 3 Years	-----	-----
Meets ACS Requirements	Current ACS Specification	Conforms

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product information

Product: Silica 60, 0.063 - 0.200 mm
REF: 815330.25
LOT: 072154301

W 3049
SP

Technical data

Material: Synthetic amorphous silica (irregular shaped)
Description: White powder

Parameter	Specifications	Result
Specific surface (m ² /g, N ₂ adsorption) :	450 - 550	537
Particle size distribution (screen analysis) :	< 63 µm max. 5 %	0.3
	> 200 µm max. 5 %	0.1
pH value :	6.0 - 7.5	7
Water content (%) :	< 7	3.6
Pore volume (mL/g, N ₂ adsorption) :	0.65 - 0.85	0.82
Mean pore size (Å, N ₂ adsorption) :	50 - 70	62

Expiry

This product has no stated expiration date or shelf life.

We recommend to use the product within a time period of 5 years after date of QC release.

This time period is valid only if the product is stored under dry and frost-free conditions.

After 5 years we recommend retesting the adsorbent to make sure that the expected performance is still given.

Confirmation

Hereby we confirm, that the above mentioned product has successfully passed our quality control system in accordance with ISO 9001 and meets the specific quality criteria.

This document has been produced electronically and is valid without a signature.

Date of measurement: 16.02.2023 22:00

Certificate of analysis

W3082 Received on 2/26/2026 by IZ

Product No.: A12244
Product: Stearic acid, 98%
Lot No.: U23E020

Appearance White flakes
Assay 98.7 %

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ThermoFisher
S C I E N T I F I C



Certificate of Analysis

Manganous Sulfate Solution, 364 g/L**Lot Number:** 2403J02**Product Number:** 4620**Manufacture Date:** MAR 15, 2024**Expiration Date:** MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Manganous Sulfate Monohydrate	10034-96-5	Reagent
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result
Appearance	Pink liquid	Passed
Assay (by Refractive Index)	360-368 g/L	367 g/L

Specification	Reference
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	EPA (360.2)
Manganous Sulfate Solution	EPA (360.2)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
4620-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Jose Pena (03/15/2024)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

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Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13

Product Number: 7900

Manufacture Date: MAR 29, 2024

Expiration Date: SEP 2025

This product is specially formulated to increase its stability. A preservative is added to prevent bacterial contamination. However, all Sodium Thiosulfate solutions are subject to slow chemical deterioration and should be restandardized periodically.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Iodate/Starch)	0.02499-0.02501 N at 20°C	0.02501 N at 20°C	136

Specification	Reference
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-CI B)
Standard Sodium Thiosulfate Titrant	APHA (4500-O C)
Standard Sodium Thiosulfate Titrant, 0.025 M	APHA (5530 C)
Standard Sodium Thiosulfate Solution (0.025 N)	EPA (SW-846) (9031)
Standard Sodium Thiosulfate solution (0.025 N)	EPA (SW-846) (9034)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7900-1	4 L natural poly	18 months
7900-16	500 mL natural poly	18 months
7900-1CT	4 L Cubitainer®	18 months
7900-32	1 L natural poly	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (03/29/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

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Certificate of Analysis

Alkaline-Iodide-Azide, Pomeroy Formulation for Dissolved Oxygen (DO) Analysis

Lot Number: 1405D67

Product Number: 535

Manufacture Date: APR 05, 2024

Expiration Date: APR 2026

This solution is intended for use with samples with high Dissolved Oxygen content (above 15 mg/L) and for samples with high concentrations of organic material.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Iodide	7681-82-5	ACS
Sodium Hydroxide	1310-73-2	ACS
Sodium Azide	26628-22-8	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Free Iodine	To Pass Test	Passed

Specification	Reference
Alkaline Iodide-Sodium Azide Solution II	ASTM (D 888 A)
Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.	

Part Number	Size / Package Type	Shelf Life (Unopened Container)
535-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Heidi J Green (04/05/2024)
Operations Manager

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Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

W3127 rec. 7/25/24 12
W3128 exp. 10/31/27
W3129

ENVIRONMENTAL EXPRESS
Charleston, SC USA
www.envexp.com
(800) 343-5319

October 27, 2022

CERTIFICATE OF ANALYSIS

Environmental Express certifies that the following COD Reagent Vials have been rigorously checked against NIST Traceable standards and also compared for conformance to another major brand name product. Environmental Express COD Vial performance is evaluated using bench top spectrophotometers. Acceptance guidelines are strict and ensure dependable, quality results.

Environmental Express further certifies that the COD products listed below are recognized by the United States Environmental Protection Agency (USEPA) as equivalent to an approved Water Pollutant Testing Procedure for COD (Federal Register, Vol. 45, No. 78, Monday, April 20th, 1980, page 26811) and as such can be used for National Pollution Discharge Elimination System (NPDES) reporting.

<u>Cat. No.</u>	<u>Lot No.</u>	<u>Product Description</u>
B1010	13821	COD Reagent Vials, 0 - 150 ppm

Item Number	ED150	Lot Number	2ND0156
Item	Edetate Disodium, Dihydrate, USP	CAS Number	6381-92-6
Molecular Formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$	Molecular Weight	372.24

TEST	SPECIFICATION		RESULT
	MIN	MAX	
ASSAY (DRIED BASIS)	99.0	101.0 %	99.5 %
pH OF A 5% SOLUTION @ 25°C	4.0	6.0	4.6
LOSS ON DRYING	8.7	11.4 %	8.90 %
CALCIUM (Ca)	NO PRECIPITATE IS FORMED		NO PRECIPITATE IS FORMED
ELEMENTAL IMPURITIES:			.
NICKEL (Ni)	AS REPORTED		<0.3 ppm
CHROMIUM (Cr)	AS REPORTED		<0.3 ppm
NITRILOTRIACETIC ACID[n[(HOCOCH ₂) ₃ N]		0.1 %	<0.10 %
IDENTIFICATION A	MATCHES REFERENCE		MATCHES REFERENCE
IDENTIFICATION B	RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION		RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION
IDENTIFICATION C	MEETS THE REQUIREMENTS FOR SODIUM		MEETS THE REQUIREMENTS FOR SODIUM
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			10-JUL-2026
DATE OF MANUFACTURE			11-JUL-2023
APPEARANCE			WHITE CRYSTALLINE POWDER
RESIDUAL SOLVENTS		AS REPORTED	NO RESIDUAL SOLVENTS PRESENT
MONOGRAPH EDITION			USP 2024

Certificate of Analysis Results Entered By:

CACEVEDO
Charmian Acevedo
22-MAY-24 08:12:30

Certificate of Analysis Results Approved By:

GHERRERA
Genaro Herrera
22-MAY-24 12:32:01

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ



All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

The Elemental Impurities standards implemented by USP and other Pharmaceutical Compendia reflect a growing understanding of the toxicology of trace levels of elemental impurities that can remain in drug substances originating from either raw materials or manufacturing processes. Identifying and quantifying impurities can be critical to predicting the best possible patient outcomes. Elemental Impurities has been a requirement of all products meeting USP/NF, EP and BP monographs since January 1, 2018. More information can be found in USP sections <232> Elemental Impurities – Limits and <233> Elemental Impurities – Procedures. Data for drug substances furnished by Spectrum Chemical Mfg. Corp can be used to ensure that patient daily exposures by oral administration to the selected elements are not exceeded in the formulation of pharmaceutical products.



An ISO 9001 Certified Company

Loveland, CO 80539

(970) 669-3050

Certificate of Analysis

This is a Component of 1486266 / LOT A4169

PRODUCT: BOD Nutrient Buffer Pillows

PRODUCT NUMBER: 1486227

LOT NUMBER: A4169

MANUFACTURE DATE: 06/24/2024

DATE OF ANALYSIS: 07/03/2024

TEST	SPECIFICATIONS	RESULTS
Calcium Concentration of a diluted pillow	0.93 to 1.29 ppm	0.960 ppm
Magnesium Concentration of a diluted pillow	0.35 to 0.48 ppm	0.390 ppm
pH in a 6 L of DI water	7.1 to 7.6	7.37
Ammonia Concentration of a diluted pillow	0.57 to 0.79 ppm	0.593 ppm
Iron Concentration of a diluted pillow	0.27 to 0.36 ppm	0.311 ppm
Sterility	To Pass	Passed
Phosphorus Concentration of a diluted pillow	7.6 to 10.3 ppm	8.32 ppm
Five Day Change in Dissolved Oxygen Concentration	-0.2 to 0.2 ppm	0.03 ppm

The expiration date is Jun 2029

Certified by: *Scott Als*

Analytical Services Chemist



Certificate of Analysis

Starch Indicator, 0.5% (w/v), Mercury Free, for Iodometric Titrations

Lot Number: 4408P62

Product Number: 8000

Manufacture Date: AUG 28, 2024

Expiration Date: AUG 2026

This product is Mercury-free.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification	Result
Appearance	White translucent liquid	Passed
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)	Passed

Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-CI B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-CI C)
Starch Indicator	EPA (345.1)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
8000-1	4 L natural poly	24 months
8000-16	500 mL natural poly	24 months
8000-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

A handwritten signature in blue ink that reads "Paul Brandon". The signature is fluid and cursive, with the first name "Paul" and last name "Brandon" clearly distinguishable.

Paul Brandon (08/28/2024)
Production Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.



Material	BDH9260-500G
Material Description	BDH POTASS HYDRGN PHTHLTE 500G
Grade	ACS GRADE
Batch	24H0956262
Reassay Date	04/28/2026
CAS Number	877-24-7
Molecular Formula	HOCC6H4COOK
Molecular Mass	204.22
Date of Manufacture	04/29/2023
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White crystals.	White crystals.
Assay (dried basis)	99.95 - 100.05 %	99.98 %
Chlorine Compounds	<= 0.003 %	<0.003 %
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm
Insoluble Matter	<= 0.005 %	0.003 %
Iron	<= 5 ppm	<5 ppm
pH (0.05M, Water) @25C	4.00 - 4.02	4.00
Sodium	<= 0.005 %	<0.005 %
Sulfur Compounds	<= 0.002 %	<0.002 %

Internal ID #: 322

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Certificate of Analysis

Sodium Hypochlorite Solution, 5% available Chlorine

Lot Number: 2501J28**Product Number:** 7495.5**Manufacture Date:** JAN 17, 2025**Expiration Date:** JUL 2025

This solution is subject to slow decomposition upon exposure to air. Keep container tightly capped. Refrigeration may improve stability.
When used in the Phenate method for Ammonia, APHA recommends replacing this solution about every 2 months.

Name	CAS#	Grade
Water	7732-18-5	Commercial
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	Result	NIST SRM#
Appearance	Colorless to greenish-yellow liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	4.75-5.25 % (w/w) Cl ₂	5.17 % (w/w) Cl ₂	136

Specification	Reference
Sodium Hypochlorite, 5%	APHA (4500-NH3 F)
Sodium Hypochlorite	ASTM (D 4785)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7495.5-1	4 L black poly	6 months
7495.5-16	500 mL amber poly	6 months
7495.5-32	1 L amber poly	6 months
7495.5-8	250 mL amber poly	6 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (01/17/2025)
Operations Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

Certificate of Analysis



Material	BDH9208-500G
Material Description	BDH AMMONIUM CHLORIDE ACS 500G
Grade	U S P REAGENT (ACS GRADE)
Batch	24L0356561
Reassay Date	08/31/2027
CAS Number	12125-02-9
Molecular Formula	NH ₄ Cl
Molecular Mass	53.49
Date of Manufacture	08/01/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White granular powder	White granular powder
Calcium	<= 0.001 %	0.001 %
Heavy Metals (as Pb)	<= 0.0005 %	<0.0002 %
Insolubles	<= 0.005 %	0.001 %
Iron	<= 0.0002 %	<0.0002 %
Magnesium	<= 0.0005 %	0.0001 %
pH (5%, Water) @25C	4.5 - 5.5	4.8
Phosphate	<= 0.0002 %	<0.0002 %
Purity	>= 99.5 %	99.8 %
Residue on Ignition	<= 0.01 %	0.003 %
Sulfate	<= 0.002 %	<0.002 %
Extra Description:	Meets Reagent Specifications for testing USP/NF monographs	

Internal ID #: 710

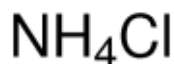
Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

W3196 Received on 03/19/2025 by IZ

Certificate of Analysis

Product Name:

Ammonium chloride - ACS reagent, ≥99.5%



Product Number: 213330
Batch Number: MKCV1009
Brand: SIGALD
CAS Number: 12125-02-9
MDL Number: MFCD00011420
Formula: H4ClN
Formula Weight: 53.49 g/mol
Quality Release Date: 23 OCT 2023
Recommended Retest Date: SEP 2026

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
Titration by AgNO ₃	≥ 99.5 %	100.2 %
pH	4.5 - 5.5	4.9
@ 25 Deg c (5% Solution)		
Insoluble Matter	≤ 0.005 %	0.001 %
10%, H ₂ O		
Residue on ignition (Ash)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 5 ppm	1 ppm
Heavy Metals	≤ 5 ppm	< 1 ppm
by ICP		
Iron (Fe)	≤ 2 ppm	< 1 ppm
Phosphate (PO ₄)	≤ 2 ppm	< 2 ppm
Sulfate (SO ₄)	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
3 Years		



Larry Coers, Director

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product Number: 213330
Batch Number: MKCV1009

Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



W3198 Received on 4/11/2025 by IZ

3050 Spruce Street, Saint Louis, MO 63103, USA

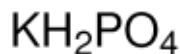
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Potassium phosphate monobasic - ACS reagent, ≥99.0%

Product Number: P0662
Batch Number: MKCW6723
Brand: SIGALD
CAS Number: 7778-77-0
MDL Number: MFCD00011401
Formula: H₂KO₄P
Formula Weight: 136.09 g/mol
Quality Release Date: 16 OCT 2024
Recommended Retest Date: OCT 2028



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Assay	≥ 99.0 %	99.8 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Loss on Drying	≤ 0.2 %	< 0.1 %
At 105°C		
pH	4.1 - 4.5	4.5
(c = 5%, 25 deg C)		
Chloride Content	≤ 0.001 %	< 0.001 %
Sulfate (SO ₄)	≤ 0.003 %	< 0.003 %
Heavy Metals	≤ 0.001 %	< 0.001 %
by ICP		
Iron (Fe)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Recommended Retest Period	-----	-----
4 Years		



Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



W3204
084K: 09/22/2025
38

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

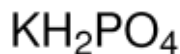
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Certificate of Analysis

Product Name:

Potassium phosphate monobasic - ACS reagent, ≥99.0%

Product Number: P0662
Batch Number: MKCX1379
Brand: SIGALD
CAS Number: 7778-77-0
MDL Number: MFCD00011401
Formula: H₂KO₄P
Formula Weight: 136.09 g/mol
Quality Release Date: 27 JAN 2025
Recommended Retest Date: JAN 2029



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Assay	≥ 99.0 %	99.9 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Loss on Drying	≤ 0.2 %	< 0.1 %
At 105°C		
pH	4.1 - 4.5	4.5
(c = 5%, 25 deg C)		
Chloride Content	≤ 0.001 %	< 0.001 %
Sulfate (SO ₄)	≤ 0.003 %	< 0.003 %
Heavy Metals	≤ 0.001 %	< 0.001 %
by ICP		
Iron (Fe)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Recommended Retest Period	-----	-----
4 Years		



Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



N3212 Received on 5/21/25 by 12



CERTIFICATE OF ANALYSIS

PO BOX 130549 Spring, TX 77393
Phone: (281) 298-9410 Fax: (281) 298-9411

FINISHED PRODUCT, LOT NUMBER, MFG. /EXP DATE:

PolySeed® • Part No. P-110 • Lot 132409 • Mfg. Date: 09/2024 • Exp. Date: 09/2026

FORMULATION:

The formulation for this product contains a range of naturally occurring microorganisms, which are known to be non-pathogenic to man or animals.

VIABLE COUNT, FINAL TEST RESULT:

The product has been fully tested in accordance with Finished Product Specifications and contains a minimum viable count of 4.00×10^9 cfu/g.

GLUCOSE/GLUTAMIC-ACID RESULTS:

Tested results within acceptable range 198 ± 30.5 mg/L (167.5 - 228.5 mg/L). GGA Lot# 43100020 – Average Test Result: 202.1

See www.polyseed.com for details.

SEED CONTROL FACTOR:

Tested results within acceptable range 0.6 – 1.0 see www.polyseed.com for details

SALMONELLA TEST RESULT:

The product has been shown to be Salmonella negative using procedures recommended in the Microbiology Laboratory Guidebook, published by the USDA Food Safety and Inspection Service.

The purpose of this document is to ensure that the Finished Product conforms to the above specification.

Signature: _____

Quality Control Department

Date: 09/13/2024

POLYSEED.Ref.1.19

Revised Jan 24

Certificate Of Analysis



Date of Release: 4/8/2025

Name: **Potassium Hydrogen Phthalate**

ACS

Item No: **PX1476 All Sizes**

Lot / Batch No: **2025040493**

Country of Origin: **USA**

Item	Specifications	Analysis
Assay (Dried Basis)	99.95-100.05%	99.98%
Chlorine compounds (as Cl)	0.003% max.	<0.003%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Insoluble Matter	0.005% max.	<0.005%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.05m solution @ 25.0C	4.00-4.02	4.00
Sodium (Na)	0.005% max.	<0.005%
Sulfur compounds (as S)	0.002% max.	<0.002%

Joe Schoellkopf

Quality Control Manager

This document has been produced electronically and is valid without a signature .

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation

400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0



SHIPPING DOCUMENTS



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	ANALYSIS	

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*

HARD COPY: _____ DAYS*

EDD _____ DAYS*

* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS * QC ☐ New York State ASP "B"
☒ New Jersey REDUCED ☐ New York State ASP "A"
☒ New Jersey CLP ☐ Other _____
☐ EDD FORMAT None

ANALYSIS

1	BOD 5
2	TSS, TDS
3	Oil & Grease
4	Ammonia-N Total
5	Phosphorus Total, COD
6	BOD Soluble
7	Color
8	<i>TPH</i>
9	

COMMENTS

[illegible]

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 [Signature] 7-8-25	Conditions of bottles or collars at receipt: → COMPLIANT → NON COMPLIANT → COOLER TEMP 72.0°C	
1. [Signature]		1. [Signature] 1745	MeOH extraction requires an additional 4oz. Jar for percent solid	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:	
2. [Signature]		2. [Signature]	Samples collected by Gregg Dickinson	
RELINQUISHED BY	DATE/TIME 1520	RECEIVED FOR LAB BY	SHIPPED VIA:	Shipment Complete
3. [Signature]	7-8-25	3. [Signature]	PAGE 1 of 1 CHEMTECH: → Picked Up	YES

WHITE - CHEMTECH COPYFOR 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