

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 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
Н	Sample Analysis Out Of Hold Time



LAB CHRONICLE

OrderID: Q1252

Client: Holland Manufacturing Co.

Contact: Todd Holland

OrderDate: 1/31/2025 11:41:00 AM
Project: Pre Treatment Plant

Project: Pre Treatm E11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1252-01	EFFLUENT	WATER			01/31/25 09:30			01/31/25
			Ammonia	SM4500-NH3		02/03/25	02/03/25 13:50	
			BOD5	SM5210 B			01/31/25 17:10	
			Oil and Grease	1664A			02/01/25 11:30	
			Phosphorus-Ortho	SM4500-P E			01/31/25 15:07	
			Phosphorus-Total	365.3		01/31/25	01/31/25 15:42	
			TSS	SM2540 D			02/05/25 09:30	
Q1252-01DL	EFFLUENTDL	WATER			01/31/25 09:30			01/31/25
			Ammonia	SM4500-NH3		02/03/25	02/03/25 14:31	
Q1252-04	AERATION 1	WATER			01/31/25 09:30			01/31/25
			TSS	SM2540 D			02/05/25 09:30	
Q1252-05	INFLUENT	WATER			01/31/25 09:30			01/31/25
			Ammonia	SM4500-NH3		02/03/25	02/03/25 13:50	
			BOD5	SM5210 B			01/31/25 17:10	



LAB CHRONICLE

Q1252-05DL INFLUENTDL WATER 01/31/25 09:30

Ammonia SM4500-NH3 02/03/25 02/03/25

14:31



SAMPLE DATA



Lab Sample ID:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Fax: 908 789 8922

Q1252-01

Report of Analysis

Client: Holland Manufacturing Co. Date Collected: 01/31/25 09:30

Project: Pre Treatment Plant Date Received: 01/31/25

Client Sample ID: EFFLUENT SDG No.: Q1252

% Solid: 0

WATER

Matrix:

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	542	OR	1	2.30	5.00	mg/L	02/03/25 08:50	02/03/25 13:50	SM 4500-NH3
									B plus G-11
BOD5	4600		1	0.17	2.00	mg/L		01/31/25 17:10	SM 5210 B-16
Oil and Grease	12.0		1	0.40	5.00	mg/L		02/01/25 11:30	1664A
Orthophosphate as P	0.11		1	0.0040	0.050	mg/L		01/31/25 15:07	SM 4500-P
									E-11
Phosphorus, Total	0.14		1	0.0050	0.050	mg/L	01/31/25 12:45	01/31/25 15:42	365.3
TSS	1630		1	1.00	4.00	mg/L		02/05/25 09:30	SM 2540 D-15

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



Fax: 908 789 8922

Report of Analysis

Client: Holland Manufacturing Co. Date Collected: 01/31/25 09:30 Project: Pre Treatment Plant Date Received: 01/31/25 Client Sample ID: **EFFLUENTDL** SDG No.: Q1252 Lab Sample ID: Q1252-01DL Matrix: WATER % Solid: 0

Ammonia as N 537 D 10 22.5 50.0 mg/L 02/03/25 08:50 02/03/25 14:31 SM 450	Parameter	Conc.	Qua.	DF MD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
D -1 - 6	Ammonia as N	537	D	10 22.5	50.0	mg/L	02/03/25 08:50	02/03/25 14:31	SM 4500-NH3 B plus G-11

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



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Report of Analysis

Client: Holland Manufacturing Co. Date Collected: 01/31/25 09:30 Project: Pre Treatment Plant Date Received: 01/31/25 Client Sample ID: **AERATION 1** SDG No.: Q1252 Lab Sample ID: Q1252-04 Matrix: WATER % Solid: 0

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	633	1 1.00	4.00	mg/L		02/05/25 09:30	SM 2540 D-15

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



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Report of Analysis

Client: Holland Manufacturing Co. Date Collected: 01/31/25 09:30 Project: Date Received: Pre Treatment Plant 01/31/25 Client Sample ID: **INFLUENT** SDG No.: Q1252 Lab Sample ID: Q1252-05 Matrix: WATER % Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	102	OR	1	2.30	5.00	mg/L	02/03/25 08:50	02/03/25 13:50	SM 4500-NH3
BOD5	5250		1	0.17	2.00	mg/L		01/31/25 17:10	B plus G-11 SM 5210 B-16

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



Depart of Applyair

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	01/31/25 09:30
Project:	Pre Treatment Plant	Date Received:	01/31/25
Client Sample ID:	INFLUENTDL	SDG No.:	Q1252
Lab Sample ID:	Q1252-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	96.6	D	2	4.50	10.0	mg/L	02/03/25 08:50	02/03/25 14:31	SM 4500-NH3
									B plus G-11

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



QC RESULT SUMMARY



 ${\tt 284~Sheffield~Street,~Mountainside,~New~Jersey~07092,~Phone:908~789~8900,}\\$

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Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: CV Orthophosphate as P	mg/L	0.509	0.50	102	90-110	01/31/2025
Sample ID: CCV1 Orthophosphate as P	mg/L	0.512	0.5	102	90-110	01/31/2025
Sample ID: CCV2 Orthophosphate as P	mg/L	0.509	0.5	102	90-110	01/31/2025





Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV	/ 	0 504	0.50	101	00 110	01 /21 /0005
Phosphorus,	Total	mg/L	0.504	0.50	101	90-110	01/31/2025
Sample ID:	CCV1						
Phosphorus,	Total	mg/L	0.509	0.50	102	90-110	01/31/2025
Sample ID:	CCV2						
Phosphorus,	Total	mg/L	0.504	0.50	101	90-110	01/31/2025



Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co. SDG No.: Q1252

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	02/03/2025
Sample ID:	CCV1						
Ammonia as N		mg/L	0.94	1	94	90-110	02/03/2025
Sample ID:	CCV2						
Ammonia as N		mg/L	0.97	1	97	90-110	02/03/2025
Sample ID:	CCV3						
Ammonia as N		mg/L	0.95	1	95	90-110	02/03/2025
Sample ID:	CCV4						
Ammonia as N		mg/L	0.99	1	99	90-110	02/03/2025





Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant RunNo.: LB134532





Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Orthophosphate as P	mg/L	< 0.0250	0.0250	U	0.0040	0.05	01/31/2025
Sample ID: CCB1 Orthophosphate as P	mg/L	< 0.0250	0.0250	U	0.0040	0.05	01/31/2025
Sample ID: CCB2 Orthophosphate as P	mg/L	< 0.0250	0.0250	U	0.0040	0.05	01/31/2025





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Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
${\tt Phosphorus},$	Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	01/31/2025
Sample ID:	CCB1							
Phosphorus,	Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	01/31/2025
Sample ID:	CCB2							
Phosphorus,	Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	01/31/2025



Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025





Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant RunNo.: LB134532



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Preparation Blank Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB13450	9BL						
BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	01/31/2025
Sample ID: LB13451	0BL						
Orthophosphate as P	mg/L	< 0.0250	0.0250	U	0.004	0.05	01/31/2025
Sample ID: LB13452	1BL						
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	02/01/2025
Sample ID: LB13457	'0BL						
TSS	mg/L	1	2.0000	J	1	4	02/05/2025
Sample ID: PB16643	31BL						
Phosphorus, Total	mg/L	< 0.0250	0.0250	U	0.005	0.05	01/31/2025
Sample ID: PB16647	7BL						
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/03/2025



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1211-01

Client ID: TAPHHA-MW01-012825-00-T4MS Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis	
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date	
Ammonia as N	mg/L	75-125	1.10		0.045	U	1	1	110		02/03/2025	



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1211-01

Client ID: TAPHHA-MW01-012825-00-T4MSD Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis	
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date	
Ammonia as N	mg/L	75-125	1.10		0.045	U	1	1	110		02/03/2025	



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

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
Phosphorus, Total	mg/L	90-110	0.50		0.14		0.5	1	72	*	01/31/2025
Orthophosphate as P	mg/L	90-110	0.59		0.11		0.5	1	97		01/31/2025



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

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
Phosphorus, Total	mg/L	90-110	0.50		0.14		0.5	1	72	*	01/31/2025
Orthophosphate as P	mg/L	90-110	0.59		0.11		0.5	1	97		01/31/2025



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

Client ID: EFFLUENTMS Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date
Oil and Grease	mg/L	78-114	31.9		12.0		20.0	1	100		02/01/2025



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Matrix Spike Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

Client ID: EFFLUENTMSD Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis	
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date	
Oil and Grease	mg/L	78-114	32.2		12.0		20.0	1	101		02/01/2025	-



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1211-01

Client ID: TAPHHA-MW01-012825-00-T4DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date	
Ammonia as N	mg/L	+/-20	0.045	U	0.045	U	1	0		02/03/2025	_



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1211-01

Client ID: TAPHHA-MW01-012825-00-T4MSD 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	1.10		1.10		1	0		02/03/2025



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

Client ID: EFFLUENTDUP 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
Orthophosphate as P	mg/L	+/-20	0.11		0.11		1	2.76		01/31/2025
Phosphorus, Total	mg/L	+/-20	0.14		0.14		1	0.7		01/31/2025
TSS	mg/L	+/-5	1630		1630		1	0.25		02/05/2025



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

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
Orthophosphate as P	mg/L	+/-20	0.59		0.59		1	0.17		01/31/2025
Phosphorus, Total	mg/L	+/-20	0.50		0.50		1	0.2		01/31/2025



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-01

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	31.9		32.2		1	0.94		02/01/2025



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Duplicate Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Sample ID: Q1252-05

Client ID: INFLUENTDUP 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	5250		5270		1	0.34		01/31/2025	_





Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134509BS								
BOD5		mg/L	198	197		100	1	84.6-115.4	01/31/2025





Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134510BS								_
Orthophosphate as P	mg/L	0.5	0.49		99	1	90-110	01/31/2025





Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134521BS								_
Oil and Grease	mg/L	20.0	16.9		84	1	78-114	02/01/2025





Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte		Units	True Value		Conc. % Qualifier Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134570BS							_
TSS		mg/L	550	532	97	1	90-110	02/05/2025





Client: Holland Manufacturing Co. SDG No.: Q1252

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB166431BS								
Phosphorus, Total	mg/L	0.50	0.51		101	1	90-110	01/31/2025





Laboratory Control Sample Summary

Client: Holland Manufacturing Co. SDG No.: Q1252

Project: Pre Treatment Plant Run No.: LB134532

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB166477BS								_
Ammonia as N	mg/L	1	0.97		97	1	90-110	02/03/2025



RAW DATA

Alliance

QC BATCH ID: LB134509

BOD Water: WP111719

Starch: W3149

POLYSEED: WP111721

GGA: WP111720

Sulfuric acid, 1N: WP110386

Chlorine Strips: W3155

pH Strips: W3140

BOD5 LOG

ANALYST: rubir lnst ld:DO METER

Reviewed By:Iwona

SUPERVISOR: Iwona

Analysis Date: 01/31/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP111324

Lab SampleID	Client ID	Bottle No.	VOL.	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.3	18.8	9.5	9.5

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.53

After Incubation

Meter Calibration2: 8.01 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB134509

INCUBATOR TEMP IN(C): 19.9

TIME IN: 17:10

DATE IN: 01/31/2025

INCUBATOR TEMP OUT (C): 19.9

TIME OUT: 13:40

DATE OUT: 02/05/2025

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
LB134509BL	1	No	6.60	N/A	20.70	300	9.52	9.51	0.01	0.01	0.01	
POLYSEED	1					10	9.47	7.22	2.25	0.45	0.56	
POLYSEED	2					15	9.42	5.20	4.22	0.56		
POLYSEED	3					20	9.37	2.74	6.63	0.66		
GGA	1					6	9.42	5.04	4.38	191	197.33	
GGA	2					6	9.36	4.83	4.53	198.5		
GGA	3					6	9.35	4.74	4.61	202.5		
Q1252-01	1	No	7.88	7.09	20.30	0.5	9.22	1.00	8.22	4596	4596	pH Adjuste
Q1252-01	2					1	9.16	0.12	-	0		
Q1252-01	3					2	9.11	0.09	-	0		
Q1252-01	4					5	8.71	0.07	-	0		
Q1252-01	5					10	8.14	0.06	-	0		
Q1252-05	1	No	4.91	6.83	20.40	0.01	9.41	8.99	-	0	5253	pH Adjuste
Q1252-05	2					0.05	9.27	7.86	-	0		
Q1252-05	3					0.1	9.22	6.59	2.63	6210		
Q1252-05	4					0.5	8.75	1.03	7.72	4296		
Q1252-05	5					1	8.04	0.07	-	0		
Q1252-05DUP	1	No	4.91	6.83	20.40	0.01	9.40	8.89	-	0	5271	pH Adjuste
Q1252-05DUP	2					0.05	9.26	7.78	-	0		
Q1252-05DUP	3					0.1	9.22	6.55	2.67	6330		
Q1252-05DUP	4					0.5	8.73	1.15	7.58	4212		
Q1252-05DUP	5					1	8.07	0.07	-	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.

NF (WC)

WORKLIST (Hardcopy Internal Chain)

posus197

WorkList ID: 187368 bod5-1-31 WorkList Name:

Date: 01-31-2025 15:13:41 01/31/2025 SM5210 B Collect Date Method Raw Sample Storage Location E11 E11 Customer HOLL01 HOLL01 Department: Wet-Chemistry Cool 4 deg C Cool 4 deg C Preservative BOD5 BOD5 Test Matrix Water Water Customer Sample **EFFLUENT** INFLUENT Q1252-01 Q1252-05 Sample

01/31/2025 SM5210 B

Date/Time 01/31/2025 Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 01/31/2025

Raw Sample Relinquished by: Raw Sample Received by:



Analytical Summary Report

Analysis Method: SM4500-P E ANALYST: Niha

Parameter: Phosphorus-Ortho SUPERVISOR REVIEW BY: Iwona

Run Number: LB134510

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP111733
calibration std. phosphate 0.5 ppm	WP111732
calibration std. phosphate 0.3 ppm	WP111731
calibration std. phosphate 0.1 ppm	WP111730
calibration std. phosphate 0.05 ppm	WP111729
calibration std. 0 ppm	WP111728
phosphate CCV std.	WP111734
5N sulfuric acid	WP110380
Combined reagent	WP111740
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phoshphate LOQ std, 0.05PPM	WP111738
Phosphate ICV-LCS Std	WP111735
Phosphate LOD-MDL Std 0.025ppm	WP111737

Intercept: -0.0017 Slope: 0.6405 Regression: 0.999771

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	0.003		01/31/2025	15:00
2	CAL2	0.05	1	50	50	0.033	0.054	8	01/31/2025	15:00
3	CAL3	0.10	1	50	50	0.064	0.103	3	01/31/2025	15:01
4	CAL4	0.30	1	50	50	0.180	0.284	-5.3	01/31/2025	15:01
5	CAL5	0.50	1	50	50	0.322	0.505	1	01/31/2025	15:02
6	CAL6	1.00	1	50	50	0.640	1.002	0.2	01/31/2025	15:02



Analytical Summary Report

Analysis Method: SM4500-P E ANALYST: Niha

Parameter: Phosphorus-Ortho SUPERVISOR REVIEW BY: Iwona

Run Number: LB134510

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	0.324	0.509	01/31/2025	15:03
2	ICB		1	50	50	0.000	0.003	01/31/2025	15:03
3	CCV1	0.5	1	50	50	0.326	0.512	01/31/2025	15:04
4	CCB1		1	50	50	0.000	0.003	01/31/2025	15:04
5	RL Check	0.01	1	50	50	0.032	0.053	01/31/2025	15:05
6	LB134510BL		1	50	50	0.000	0.003	01/31/2025	15:05
7	LB134510BS	0.5	1	50	50	0.314	0.493	01/31/2025	15:06
8	Q1168-07		1	50	50	0.014	0.025	01/31/2025	15:06
9	Q1168-08		1	50	50	0.029	0.048	01/31/2025	15:07
10	Q1252-01		1	50	50	0.067	0.107	01/31/2025	15:07
11	Q1252-01DUP		1	50	50	0.069	0.110	01/31/2025	15:08
12	Q1252-01MS	0.5	1	50	50	0.379	0.594	01/31/2025	15:08
13	Q1252-01MSD	0.5	1	50	50	0.378	0.593	01/31/2025	15:09
14	CCV2	0.5	1	50	50	0.324	0.509	01/31/2025	15:09
15	CCB2		1	50	50	0.000	0.003	01/31/2025	15:10

01.31.2025

Date/Time

WORKLIST(Hardcopy Internal Chain)

ORTHO P-01312025 WorkList Name:

WorkList ID:

187355

Department: Wet-Chemistry

Date: 01-31-2025 12:22:11 Raw Sample

Collect Date Method

01942107

01/23/2025 SM4500-P E 01/31/2025 SM4500-P E

QAO E11

01/23/2025 SM4500-P E

QAO

CHEM02 CHEM02

Cool 4 deg C Cool 4 deg C Cool 4 deg C

HOLL01

Storage Location

Customer

Preservative

Test

Matrix

Customer Sample

Sample

Water Water

LOQ-WATER-02-QT1-2025

EFFLUENT

Water

Phosphorus-Ortho Phosphorus-Ortho Phosphorus-Ortho

LOD-MDL-WATER-01-QT1-202

Q1168-07 Q1168-08 Q1252-01

Ol. 31. 2025

Raw Sample Relinquished by: Raw Sample Received by:

Date/Time

Page 1 of 1

Raw Sample Relinquished by:

Raw Sample Received by:



Analytical Summary Report

Analysis Method: 365.3

Parameter: Phosphorus-Total SUPERVISOR REVIEW BY: Iwona

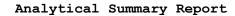
Run Number: LB134512

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP111733
calibration std. phosphate 0.5 ppm	WP111732
calibration std. phosphate 0.3 ppm	WP111731
calibration std. phosphate 0.1 ppm	WP111730
calibration std. phosphate 0.05 ppm	WP111729
calibration std. 0 ppm	WP111728
phosphate CCV std.	WP111734
Combined reagent	WP111740
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phoshphate LOQ std, 0.05PPM	WP111738
Phosphate ICV-LCS Std	WP111735
Phosphate LOD-MDL Std 0.025ppm	WP111737

Intercept: -0.0025 Slope: 0.6594 Regression: 0.999646

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		01/31/2025	15 : 35
2	CAL2	0.05	1	50	50	0.033	0.054	8	01/31/2025	15:35
3	CAL3	0.10	1	50	50	0.068	0.107	7	01/31/2025	15:36
4	CAL4	0.30	1	50	50	0.182	0.28	-6.7	01/31/2025	15:36
5	CAL5	0.50	1	50	50	0.328	0.501	0.2	01/31/2025	15:37
6	CAL6	1.00	1	50	50	0.660	1.005	0.5	01/31/2025	15:37







Analysis Method: 365.3 ANALYST: Niha

Parameter: Phosphorus-Total SUPERVISOR REVIEW BY: Iwona

Run Number: LB134512

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	0.330	0.504	01/31/2025	15:38
2	ICB		1	50	50	0.000	0.004	01/31/2025	15:38
3	CCV1	0.50	1	50	50	0.333	0.509	01/31/2025	15:39
4	CCB1		1	50	50	0.000	0.004	01/31/2025	15:39
5	RL Check	0.01	1	50	50	0.032	0.052	01/31/2025	15:40
6	PB166431BL		1	50	50	0.000	0.004	01/31/2025	15:40
7	PB166431BS	0.50	1	50	50	0.331	0.506	01/31/2025	15:41
8	Q1168-07		1	50	50	0.016	0.028	01/31/2025	15:41
9	Q1168-08		1	50	50	0.033	0.054	01/31/2025	15:42
10	Q1252-01		1	50	50	0.091	0.142	01/31/2025	15:42
11	Q1252-01DUP		1	50	50	0.092	0.143	01/31/2025	15:43
12	Q1252-01MS	0.50	1	50	50	0.328	0.501	01/31/2025	15:43
13	Q1252-01MSD	0.50	1	50	50	0.327	0.500	01/31/2025	15:44
14	CCV2	0.50	1	50	50	0.330	0.504	01/31/2025	15:44
15	CCB2		1	50	50	0.000	0.004	01/31/2025	15:45



Extraction and Analytical Summary Report

Analysis Method: 1664A

Test: Oil and Grease

Run Number: LB134521

Analysis Date: 02/01/2025

BalanceID: WC SC-6

OvenID: EXT OVEN-3

ANALYST: jignesh

REVIEWED BY: Iwona

Extraction Date: 02/01/2025

Extration IN Time: 10:10

Extration OUT Time: $\overline{10:48}$

Thermometer ID: $\overline{\text{EXT OVEN#3}}$

Dish #	Lab ID	Client ID	Matrix	рН	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	LB134521BL	LB134521BL	WATER	1.3	1000	100	3.0263	3.0263	0	3.0264	3.0264	0.0001	0.1
2	LB134521BS	LB134521BS	WATER	1.3	1000	100	3.1788	3.1788	0	3.1957	3.1957	0.0169	16.9
3	Q1168-07	LOD-MDL-WATER-01-QT1-2	WATER	1.3	1000	100	2.9631	2.9631	0	2.9652	2.9652	0.0021	2.1
4	Q1168-08	LOQ-WATER-02-QT1-2025	WATER	1.3	1000	100	2.7481	2.7481	0	2.7538	2.7538	0.0057	5.7
5	Q1211-01	ТРННА-МW01-012825-00-Т	WATER	1.3	1000	100	3.0878	3.0878	0	3.0879	3.0879	0.0001	0.1
6	Q1211-02	TAPIAL2-MW03-012825-00	WATER	1.3	1000	100	3.0320	3.0320	0	3.0323	3.0323	0.0003	0.3
7	Q1252-01	EFFLUENT	WATER	1.6	1000	100	3.0521	3.0521	0	3.0641	3.0641	0.0120	12
8	Q1252-02	Q1252-01MS	WATER	1.6	1000	100	3.1485	3.1485	0	3.1804	3.1804	0.0319	31.9
9	Q1252-03	Q1252-01MSD	WATER	1.6	1000	100	2.9903	2.9903	0	3.0225	3.0225	0.0322	32.2



QC Batch# LB134521

Test: Oil and Grease

Analysis Date: 02/01/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3153
pH Paper 0-14	М6069
Sodium Sulfate	EP2580
1:1 HCL	WP110826
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #		
LCSW	2.5 ML	WP100827		
LCSWD	NA	NA		
MS/MSD	2.5 ML	WP100828		

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022) In OVEN TEMP1 : 71 °C Dessicator Time In1 : 12:26

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 11:30

Bal Check Time: 10:30 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 13:10

Out Time1: 12:25

After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 70 °C Dessicator Time In2 : 14:31

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 14:00

Bal Check Time: 15:15 Out OVEN TEMP2: 70 °C Dessicator Time Out2: 15:10

Out Time2: 14:30

Reviewed By:Iwona On:2/3/2025 9:31:42 AM Inst Id :WC SC-3 LB :LB134521

R3 CEST.

WORKLIST(Hardcopy Internal Chain)

WorkList ID: 187391

WorkList Name: oil & grease p1211

(B 13482)

Department: Wet-Chemistry

			THE PARTY OF THE P		6	Da	Date: 02-01-2025 09:58:54	5 09:58:54
sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage	Collect Date Method	Method
01169 07				The state of the s		Focation		
- C- 100-07	LOD-MDL-WATER-01-QT1-202 Water	Water	Oil and Grease					
Q1168-08	CO WATTANIOOL			Conc HZSO4 to pH < 2	CHEM02	QAO	01/23/2025 1664 8	10010
	LOG-VAI ER-UZ-Q11-2025	Water	Oil and Grease	Conc Hose A to 11 - 0			0.1120/2020	A+001
Q1211-01	TPHHA-MW01-012825 00 T4			COILC FIZSO4 to pH < 2	CHEM02	QAOf	01/23/2025 1664A	1664A
	41-00-03031	water	Oil and Grease	Conc H2SO4 to pH / 2	MITOTO			
Q1211-02	TAPIAL2-MW03-012825-00-T3	Moder		2 × 11d 03 +002	VVES 104	N31	01/28/2025 1664A	1664A
04010	51-00-03-03-03-03-03-03-03-03-03-03-03-03-	water	Oil and Grease	Conc H2SO4 to pH < 2	WESTOA	NO.		
Q1252-01	EFFLUENT	Water	Oil and Greace			ICNI	U1/28/2025 1664A	1664A
Q1252-02	04252 04MS		Olegane	Conc H2SO4 to pH < 2	HOLL01	E11	01/31/2025 18844	1664
	& 202-0 HVIS	Water	Oil and Grease				2000	X+001
Q1252-03	Q1252-01MSD	Makes		COLIC T/25/04 to pH < 2	HOLL01	E11	01/31/2025 1664A	1664A
		valer	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	F11	1000,100	
							11/51/7025 166/17	K67.4

01/31/2025 1664A

Date/Time 02/01/25

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 02/01/25 10!. (9C)

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : $\begin{picture}(\begin{picture}(\begin{$

2/3/2025 14:33

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1 ICB1 CCV1 CCB1 RL CHECK PB166477BL PB166477BS Q1168-07 Q1168-08 Q1211-01	-0.009 0.971 0.074 0.090 0.004	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.148 0.014 0.141 0.015 0.027 0.014 0.145 0.025 0.027 0.016	84/. (50-150) 02/03/2025 1814
Q1211-01DUP Q1211-01MS Q1211-01MSD Q1211-02 CCV2 CCB2 Q1252-01 Q1252-05 PB166478BL PB166478BS Q1168-01 Q1168-02 CCV3 CCB3 Q1252-01DLX10 Q1252-05DLX2 CCV4 CCV4	0.005 1.060 1.068 0.402 0.968 0.001 10.844 2.050 0.007 1.020 0.071 0.103 0.945 -0.004 1.074 0.966 0.994 -0.005	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.016 0.157 0.158 0.069 0.145 0.016 1.466 0.290 0.016 0.152 0.025 0.025 0.029 0.142 0.015 0.159 0.145 0.148	Test limit high Test limit high

N 28 Mean 0.882 SD 2.0295 CV% 230.06 Aquakem v. 7.2AQ1 Results from time period: Mon Feb 03 12:51:07 2025 Mon Feb 03 14:31:08 2025

		0 2020			
Sample Id	S	am/Ctr/c/ Test short r Test type	Result	Result	unit Result date and time Stat
0.0PPM	Α	Ammonia-NP	0.0029	9 mg/l	2/3/2025 12:51:07
0.1PPM	Α	Ammonia-NP	0.1004	4 mg/l	2/3/2025 12:51:08
0.2PPM	Α	Ammonia-1 ^P		2 mg/l	2/3/2025 12:51:09
0.4PPM	Α	Ammonia-1 P	0.3808	_	2/3/2025 12:51:10
1.0PPM	Α	Ammonia-1 P	0.986	mg/l	2/3/2025 12:51:11
1.3PPM	Α	Ammonia-NP	1.3854	_	2/3/2025 12:51:12
2.0PPM	Α	Ammonia-1 P	1.9759	_	2/3/2025 12:51:13
ICV1	S	Ammonia-NP	0.9918	_	2/3/2025 13:28:52
ICB1	S	Ammonia-1 P	-0.0086	-	2/3/2025 13:28:54
CCV1	S	Ammonia-NP	0.938	mg/l	2/3/2025 13:28:56
CCB1	S	Ammonia-1 P	-0.0025	_	2/3/2025 13:28:58
RL CHECK	S	Ammonia-1P	0.0838	_	2/3/2025 13:29:01
PB166477BL	S	Ammonia-1 P	-0.0091	_	2/3/2025 13:29:03
PB166477BS	S	Ammonia-1 P	0.9708	_	2/3/2025 13:39:37
Q1168-07	S	Ammonia-1 P	0.0741	_	2/3/2025 13:39:40
Q1168-08	S	Ammonia-1 P	0.0897	•	2/3/2025 13:39:42
Q1211-01	S	Ammonia-NP	0.0041	_	2/3/2025 13:39:43
Q1211-01DUP	S	Ammonia-1 P	0.0054	-	2/3/2025 13:39:45
Q1211-01MS	S	Ammonia-NP	1.0604	_	2/3/2025 13:39:47
Q1211-01MSD	S	Ammonia-1 P	1.0684	_	2/3/2025 13:50:20
Q1211-02	S	Ammonia-1 P	0.4024	mg/l	2/3/2025 13:50:21
CCV2	S	Ammonia-NP	0.9677 (ng/l	2/3/2025 13:50:22
CCB2	S	Ammonia-1 P	0.0007 1		2/3/2025 13:50:24
Q1252-01	S	Ammonia-NP	10.8436 r	ng/l	2/3/2025 13:50:26
Q1252-05	S	Ammonia-1 P	2.0496 r	ng/l	2/3/2025 13:50:27
PB166478BL	S	Ammonia-1 P	0.007 r	ng/l	2/3/2025 13:50:28
PB166478BS	S	Ammonia-NP	1.0198 n		2/3/2025 13:59:53
Q1168-01	S	Ammonia-NP	0.0712 n	ng/l	2/3/2025 13:59:54
Q1168-02	S	Ammonia-1 P	0.1027 n	ng/l	2/3/2025 13:59:57
CCV3	S	Ammonia-NP	0.9453 n	ng/l	2/3/2025 13:59:58
CCB3	S	Ammonia-1 P	-0.0039 m	ıg/l	2/3/2025 14:00:00
Q1252-01DLX10	S	Ammonia-NP	1.0743 m	ıg/l	2/3/2025 14:31:01
Q1252-05DLX2	S	Ammonia-NP	0.9658 m	_	2/3/2025 14:31:04
CCV4	S	Ammonia-NP	0.9936 m	g/l	2/3/2025 14:31:05
CCB4	S	Ammonia-1 P	-0.0054 m	g/l	2/3/2025 14:31:08
					- -

Calibration results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : \underline{RM} Instrument ID : Konelab

2/3/2025 12:53

Test Ammonia-N

Accepted

2/3/2025

12:53

Factor

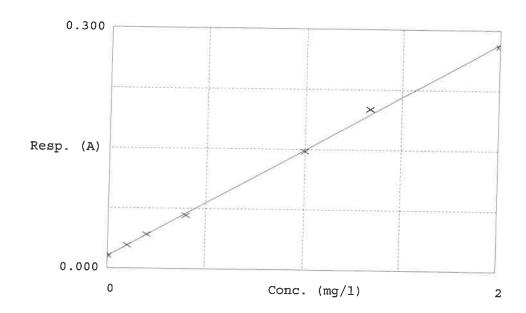
7.476

Bias

0.015

Coeff. of det. 0.998852

Errors



	Calibrator	Response	Calc. con.	Conc.	Q Errors
1 2 3 4 5 6 7	0.00PPM NH3-2PPM NH3-2PPM NH3-2PPM NH3-2PPM NH3-2PPM NH3-2PPM	0.016 0.029 0.042 0.066 0.147 0.201	0.0029 0.1004 0.2020 0.3808 0.9860 1.3854 1.9759	0.0000 0.1000 0.2000 0.4000 1.0000 1.3333 2.0000	0.4 1.0 -4.8 -1.4 6.6



TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 02/04/2025

Run Number: LB134570

103 °C 02/04/2025 14:00 TEMP1 OUT: 103 °c 02/04/2025 15:00 TEMP1 IN: BalanceID: WC SC-6 104 °C 02/04/2025 15:30 TEMP2 OUT: 104 °C 02/04/2025 16:30 TEMP2 IN: OvenID: WC OVEN-1 103 °C 02/05/2025 09:30 TEMP3 OUT: 104 °C 02/05/2025 11:00 TEMP3 IN: **FilterID:** 17416528 104 °C 02/05/2025 11:30 TEMP4 OUT: 103 °C 02/05/2025 13:00 TEMP4 IN: ThermometerID: WET OVEN#1

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	LB134570BL	LB134570BL	1.3652	1.3652	100	1.3653	1.3653	1.3653	0.0001	1
2	LB134570BS	LB134570BS	1.5893	1.5893	100	1.6425	1.6425	1.6425	0.0532	532
3	Q1252-01	EFFLUENT	1.4691	1.4691	50	1.5505	1.5505	1.5505	0.0814	1628
4	Q1252-01DUP	EFFLUENTDUP	1.5893	1.5893	50	1.6709	1.6709	1.6709	0.0816	1632
5	Q1252-04	AERATION 1	1.4805	1.4805	100	1.5438	1.5438	1.5438	0.0633	633
6	Q1282-01	SW-WTS-02	1.4781	1.4781	200	1.4828	1.4828	1.4828	0.0047	23.5

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 = $\frac{D}{A}$ * 1000 * 1000

Reviewed By:Iwona On:2/5/2025 9:31:50 AM Inst Id :WC SC-3 LB :LB134570 12,30

WORKLIST(Hardcopy Internal Chain)

Department: Wet-Chemistry WorkList ID: 187482

Date: 02-05-2025 07:44:38

Collect Date Method

Raw Sample

Storage Location

Customer

Preservative

Test

Matrix

Customer Sample

Sample

tss q1282

WorkList Name:

01/31/2025 SM2540 D

E11

Cool 4 deg C Cool 4 deg C Cool 4 deg C

TSS TSS TSS

Water

AERATION 1 SW-WTS-02

Q1282-01 Q1252-04

EFFLUENT

Q1252-01 D

Water Water

E11

HOLL01 HOLL01

01/31/2025 SM2540 D 01/31/2025 SM2540 D

of shelf

Raw Sample Relinquished by: Date/Time (D2) USIZS Raw Sample Received by: D11 ENTA05

> Date/Time 02/05/1/5 07:50 Raw Sample Received by:

Raw Sample Relinquished by:



SOP ID :	M365.3 & SM4500-	P E-18					
SDG No :	N/A		Start Digest Date:	01/31/2025 T i	ime : 12:45	Temp:	95 °C
Matrix :	WATER		End Digest Date:	01/31/2025 Ti	ime : 14:00	Temp :	96 °C
Pippete ID :	wc						
Balance ID:	N/A						
Hood ID:	HOOD#3	Digestion tube ID :	M5595	Block Thermor	meter ID :	WC-BLOCK#	1
Block ID :	WC S-1, WC S-2	Filter paper ID :	400213	Prep Technician S	Signature:	NF	
Weigh By :	N/A	pH Meter ID :	N/A	Supervisor S	Signature:	12	

Standared Name	MLS USED	STD REF. # FROM LOG	
LCSW	0.5ML	WP110401	
MS/MSD SPIKE SOL.	0.5ML	WP110400	
PBW	50ML	W3112	
LOQ	50ML	WP111738	_
LOD	50ML	WP111737	

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP109922
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3140
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
CAL1	CAL1	50.0ML	WP111728
CAL2	CAL2	50.0ML	WP111729
CAL3	CAL3	50.0ML	WP111730
CAL4	CAL4	50.0ML	WP111731
CAL5	CAL5	50.0ML	WP111732
CAL6	CAL6	50.0ML	WP111733
ICV	ICV	50.0ML	WP111735
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP111734
ССВ	ССВ	50.0ML	W3112

Extraction	Conformance	/Non-Conformance	Comments:
EXIGUION	CUITIVI III alice	/ TU -CUIIIUI IIIalice	Committees.

N/A

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



Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166431BL	PBW431	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB166431BS	LCS431	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1168-07	LOD-MDL-WATER-01-QT1-20 25	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1168-08	LOQ-WATER-02-QT1-2025	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1252-01	EFFLUENT	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1252-01DUP	EFFLUENTDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1252-01MS	EFFLUENTMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1252-01MSD	EFFLUENTMSD	50	50	<2	N/A	N/A	N/A	N/A	N/A

Water Ammonia Preparation Sheet



SOP ID: MSM4500-NH3 B,G-Ammonia-17

SDG No: N/A Start Digest Date: 02/03/2025 Time: 08:50 Temp: 150 °C

Matrix: WATER End Digest Date: 02/03/2025 Time: 09:50

Temp: 160 °C Pippete ID: Thatch 02/03/2025 WC 10:15

02/03/2025 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: N/A pH Meter ID: N/A Supervisor Signature:

STD REF. # FROM LOG WP111420
WP111420
WP111419
W3112
WP111419
WP111744

Chemical Used	ML/SAMPLE USED	Lot Number	
BORATE BUFFER	2 544		
NAOH 6N	2.5ML	WP111325	
12SO4 0.04N	0.5-2.0ML	WP111318	
	5.0ML	WP110335	
oH strip-Ammonia	N/A	W3133	
I-starch paper	N/A		
/A		W3155	
/A	N/A	N/A	
	N/A	N/A	
/A	N/A	N/A	
/A	N/A		
/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 Q1252-01,05, LOQ $\omega\rho$ 111744 RH

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location		
1/03/2075 10 00	1814 CWC2	Pig		
	Preparation Group	Analysis Group		



Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166477BL	PBW477	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB166477BS	LCS477	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1168-07	LOD-MDL-WATER-01-QT1-20 25	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1168-08	LOQ-WATER-02-QT1-2025	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1211-01	TPHHA-MW01-012825-00-T4	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1211-01DUP	TPHHA-MW01-012825-00-T4 DUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1211-01MS	TPHHA-MW01-012825-00-T4 MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
21211-01MSD	TPHHA-MW01-012825-00-T4 MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
1211-02	TAPIAL2-MW03-012825-00-T 3	50	50	<2	N/A	Negative		AFTER ADDING 6N NAOH PH IS 9.5	N/A
1252-01	EFFLUENT	1	50	<2	N/A	Negative		AFTER ADDING 6N NAOH PH IS 9.5	N/A
1252-05	INFLUENT	1	50	<2	N/A	Negative		AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name: AMMONIA-W-2-3

WorkList ID: 187400

			0010	Department: Distillation	ation	Da	Date: 02-03-2025 08:44.04	05 00:44.04
Sample	Customer Sample	Matrix	Test	Preservative	Customer	<u> </u>	Collect Date Method	Mothod
Q1168-07	LOD-Mol Water of Car					Location		Dollar
	-CD WIDE-WAIER-01-011-202	Water	Ammonia	Coop Hose A				
Q1168-08	LOQ-WATER-02-QT1-2025	Water	,	2 > Ho bH < 5	CHEM02	QAO	01/23/2025	01/23/2025 SM4500 till
01214 04		vale	Ammonia	Conc H2SO4 to pH / 2	100		Canada	SHNI-DOC+IMES
10-11-21	I PHHA-MW01-012825-00-T4	Water	Ammonia	7 × 11d 00 × 100 ×	CHEMUZ	QAO	01/23/2025	01/23/2025 SM4500 NU2
Q1211-02	TADIALOUA		Zilliollia	Conc H2SO4 to pH < 2	WESTON	1		CHAI-DOCTING
	IAPIALZ-MW03-012825-00-T3	Water	Ammonia		VVE.3104	N31	01/28/2025	01/28/2025 SM4500-NH3
Q1252-01	EFFLUENT			Conc H2SO4 to pH < 2	WEST04	N31	0.70	
24000		Water	Ammonia	Conc Hosens to all			01/28/2025	01/28/2025 SM4500-NH3
W1252-05	INFLUENT	Water	Ammonia	2 > Hd 0) +0 SZ 1 2 3 3 4 10 bH < 2	HOLL01	E11	01/31/2025	01/31/2025 SMAFOO NILLS
			Aminoria	Conc H2SO4 to pH < 2	HOLLO	1		SUNI-DOCTINIO
					-IOLEU I	E11	01/31/202E	01/31/2025 CM4500 NILLS

01/31/2025 SM4500-NH3

Date/Time 02/03/2015 Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Raw Sample Received by: Date/Time 02/03/2025

Raw Sample Relinquished by:





SOP ID: MSM4500-NH3 B,G-Ammonia-17

 SDG No :
 N/A
 Start Digest Date:
 02/03/2025
 Time :
 10:15
 Temp :
 150 °C

Matrix : SOIL End Digest Date: 02/03/2025 Time : 11:15 Temp : 160 °C

Pippete ID: WC

Balance ID: WC SC-7

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: 12

Standared Name	MLS USED	STD REF. # FROM LOG	
LCSS	1.0ML	WP111420	
PBS003	50.0ML	W3112	
RL CHECK	N/A	AS PER PB166477	
LOD	0.8ML	WP111744	
LOQ	1.0ML	WP111744	

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP110335
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,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/03/2025 11.30	RM Cover	RM cw()
	Preparation Group	Analysis Group





Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166478BL	PBS478	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB166478BS	LCS478	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1168-01	LOD-MDL-SOIL-01-QT1-2025	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1168-02	LOQ-SOIL-02-QT1-2025	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A



Instrument ID: DO METER

Review By	rubina		Review On	2/5/2025 3:21:33 PM				
Supervise By	lwona		Supervise On	2/5/2025 3:43:16 PM				
SubDirectory	LB1	134509	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		WP111719,W3149,WP110386,W3103,W3109,W3105,WP111721,WP111720,WP111323						

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134509BL	LB134509BL	МВ	01/31/25 17:10		rubina	ок
2	LB134509BS	LB134509BS	LCS	01/31/25 17:10		rubina	ок
3	Q1252-01	EFFLUENT	SAM	01/31/25 17:10		rubina	ОК
4	Q1252-05	INFLUENT	SAM	01/31/25 17:10		rubina	ОК
5	Q1252-05DUP	INFLUENTDUP	DUP	01/31/25 17:10		rubina	ОК



Instrument ID: SPECTROPHOTOMETER-1

Review By	Niha		Review On	1/31/2025 5:21:47 PM			
Supervise By	lwo	ona	Supervise On	2/3/2025 10:50:35 AM			
SubDirectory	LB134510		Test	Phosphorus-Ortho			
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		WP111733,WP111732,V	WP111731,WP111730,WP111729,WP11	1728,WP111734,WP110380,WP111740,WP111415,WI			

Sr#	Sampleld	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/31/25 15:00		Niha	ОК
2	CAL2	CAL2	CAL	01/31/25 15:00		Niha	ОК
3	CAL3	CAL3	CAL	01/31/25 15:01		Niha	ОК
4	CAL4	CAL4	CAL	01/31/25 15:01		Niha	ОК
5	CAL5	CAL5	CAL	01/31/25 15:02		Niha	ОК
6	CAL6	CAL6	CAL	01/31/25 15:02		Niha	ОК
7	ICV	ICV	ICV	01/31/25 15:03		Niha	ОК
8	ICB	ICB	ICB	01/31/25 15:03		Niha	ОК
9	CCV1	CCV1	CCV	01/31/25 15:04		Niha	ОК
10	CCB1	CCB1	ССВ	01/31/25 15:04		Niha	ОК
11	RL Check	RL Check	SAM	01/31/25 15:05		Niha	ОК
12	LB134510BL	LB134510BL	MB	01/31/25 15:05		Niha	ОК
13	LB134510BS	LB134510BS	LCS	01/31/25 15:06		Niha	ОК
14	Q1168-07	LOD-MDL-WATER-01	SAM	01/31/25 15:06		Niha	ОК
15	Q1168-08	LOQ-WATER-02-QT1	SAM	01/31/25 15:07		Niha	ОК
16	Q1252-01	EFFLUENT	SAM	01/31/25 15:07		Niha	ОК
17	Q1252-01DUP	EFFLUENTDUP	DUP	01/31/25 15:08		Niha	ОК
18	Q1252-01MS	EFFLUENTMS	MS	01/31/25 15:08		Niha	ОК



Instrument ID: SPECTROPHOTOMETER-1

Review By	Review By Niha		Review On	1/31/2025 5:21:47 PM	
Supervise By	lwona	a	Supervise On	2/3/2025 10:50:35 AM	
SubDirectory	LB13	4510	Test	Phosphorus-Ortho	
STD. NAME	S	STD REF.#			
ICAL Standard	N	N/A			
ICV Standard	١	N/A			
CCV Standard	N	N/A			
ICSA Standard	N	N/A			
CRI Standard	N	N/A			
LCS Standard	tandard N/A				
Chk Standard WP111733,WP111732,WP111731,WP111730,WP111729,WP1			VP111731,WP111730,WP111729,WP11	1728,WP111734,WP110380,WP111740,WP111415,WI	

19	Q1252-01MSD	EFFLUENTMSD	MSD	01/31/25 15:09	Niha	ОК
20	CCV2	CCV2	CCV	01/31/25 15:09	Niha	ОК
21	CCB2	CCB2	ССВ	01/31/25 15:10	Niha	ОК



Instrument ID: SPECTROPHOTOMETER-1

Review By	Review By Niha		Review On	2/3/2025 10:55:46 AM
Supervise By	lwc	ona	Supervise On	2/3/2025 10:56:20 AM
SubDirectory	LB	134512	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 WP111733,WP111732,WP111731,WP111730,WP111729,WP111728,WP1117			WP111731,WP111730,WP111729,WP11	11728,WP111734,WP111740,WP111415,WP111323,WF

Sr#	Sampleld	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/31/25 15:35		Niha	ОК
2	CAL2	CAL2	CAL	01/31/25 15:35		Niha	ОК
3	CAL3	CAL3	CAL	01/31/25 15:36		Niha	ок
4	CAL4	CAL4	CAL	01/31/25 15:36		Niha	ок
5	CAL5	CAL5	CAL	01/31/25 15:37		Niha	ок
6	CAL6	CAL6	CAL	01/31/25 15:37		Niha	ок
7	ICV	ICV	ICV	01/31/25 15:38		Niha	ок
8	ICB	ICB	ICB	01/31/25 15:38		Niha	ок
9	CCV1	CCV1	CCV	01/31/25 15:39		Niha	ок
10	CCB1	CCB1	ССВ	01/31/25 15:39		Niha	ок
11	RL Check	RL Check	SAM	01/31/25 15:40		Niha	ок
12	PB166431BL	PB166431BL	МВ	01/31/25 15:40		Niha	ок
13	PB166431BS	PB166431BS	LCS	01/31/25 15:41		Niha	ок
14	Q1168-07	LOD-MDL-WATER-01	SAM	01/31/25 15:41		Niha	ок
15	Q1168-08	LOQ-WATER-02-QT1	SAM	01/31/25 15:42		Niha	ок
16	Q1252-01	EFFLUENT	SAM	01/31/25 15:42		Niha	ок
17	Q1252-01DUP	EFFLUENTDUP	DUP	01/31/25 15:43		Niha	ок
18	Q1252-01MS	EFFLUENTMS	MS	01/31/25 15:43		Niha	ок



Instrument ID: SPECTROPHOTOMETER-1

Review By	Review By Niha		2/3/2025 10:55:46 AM		
Supervise By	Iwona	Supervise On	2/3/2025 10:56:20 AM		
SubDirectory	LB1345	Test	Phosphorus-Total		
STD. NAME	ST	D REF.#			
ICAL Standard	N/A				
ICV Standard	N/A				
CCV Standard	N/A				
ICSA Standard	N/A				
CRI Standard	N/A				
LCS Standard	d N/A				
Chk Standard WP111733,WP111732,WP111731,WP111730,WP111729,WP1			P111729,WP111728,WP111734,WP111740,WP111415,WP111323,WF		

19	Q1252-01MSD	EFFLUENTMSD	MSD	01/31/25 15:44	Niha	OK
20	CCV2	CCV2	CCV	01/31/25 15:44	Niha	OK
21	CCB2	CCB2	ССВ	01/31/25 15:45	Niha	ОК



Instrument ID: WC SC-3

Review By	Review By jignesh		Review On	2/1/2025 10:36:11 AM		
Supervise By	Supervise By Iwona		Supervise On	2/3/2025 9:31:42 AM		
SubDirectory	LB1	134521	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	Standard N/A					
LCS Standard	LCS Standard N/A					
Chk Standard W3153,M6069,EP2580,WP110826,NA,NA,WP100827,NA,WP				100828		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134521BL	LB134521BL	MB	02/01/25 11:30		jignesh	ОК
2	LB134521BS	LB134521BS	LCS	02/01/25 11:30		jignesh	ОК
3	Q1168-07	LOD-MDL-WATER-01	SAM	02/01/25 11:30	ADD 0.25 WP110827	jignesh	ОК
4	Q1168-08	LOQ-WATER-02-QT1	SAM	02/01/25 11:30	ADD 0.0625 WP110828	jignesh	ОК
5	Q1211-01	TAPHHA-MW01-0128	SAM	02/01/25 11:30		jignesh	ОК
6	Q1211-02	TAPIAL2-MW03-0128	SAM	02/01/25 11:30		jignesh	ОК
7	Q1252-01	EFFLUENT	SAM	02/01/25 11:30		jignesh	ОК
8	Q1252-02	Q1252-01MS	MS	02/01/25 11:30		jignesh	ОК
9	Q1252-03	Q1252-01MSD	MSD	02/01/25 11:30		jignesh	ок



Instrument ID:

KONELAB

Review By	Review By rubina		Review On	2/4/2025 8:35:17 AM
Supervise By	Supervise By Iwona		Supervise On	2/4/2025 10:15:39 AM
SubDirectory	LB	134532	Test	Ammonia
STD. NAME		STD REF.#		
ICAL Standard		WP111741		
ICV Standard		WP111743		
CCV Standard		WP111742		
ICSA Standard		N/A		
CRI Standard		N/A		
LCS Standard WP111420				
Chk Standard WP110416,WP111745,WP111385,WP111660,WP111744			WP111385,WP111660,WP111744	

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	02/03/25 12:51		rubina	ОК
2	0.1PPM	0.1PPM	CAL2	02/03/25 12:51		rubina	ОК
3	0.2PPM	0.2PPM	CAL3	02/03/25 12:51		rubina	ОК
4	0.4PPM	0.4PPM	CAL4	02/03/25 12:51		rubina	OK
5	1.0PPM	1.0PPM	CAL5	02/03/25 12:51		rubina	ОК
6	1.3PPM	1.3PPM	CAL6	02/03/25 12:51		rubina	ОК
7	2.0PPM	2.0PPM	CAL7	02/03/25 12:51		rubina	ОК
8	ICV1	ICV1	ICV	02/03/25 13:28		rubina	ОК
9	ICB1	ICB1	ICB	02/03/25 13:28		rubina	ОК
10	CCV1	CCV1	CCV	02/03/25 13:28		rubina	ОК
11	CCB1	CCB1	ССВ	02/03/25 13:28		rubina	ОК
12	RL	RL	SAM	02/03/25 13:29		rubina	ОК
13	PB166477BL	PB166477BL	МВ	02/03/25 13:29		rubina	ОК
14	PB166477BS	PB166477BS	LCS	02/03/25 13:39		rubina	ОК
15	Q1168-07	LOD-MDL-WATER-01	SAM	02/03/25 13:39		rubina	ОК
16	Q1168-08	LOQ-WATER-02-QT1	LOQ	02/03/25 13:39		rubina	ОК
17	Q1211-01	TAPHHA-MW01-0128	SAM	02/03/25 13:39		rubina	ОК
18	Q1211-01DUP	TAPHHA-MW01-0128	DUP	02/03/25 13:39		rubina	ОК



Instrument ID: KONELAB

Review By	Review By rubina		Review On	2/4/2025 8:35:17 AM
Supervise By	lwc	ona	Supervise On	2/4/2025 10:15:39 AM
SubDirectory	LB	134532	Test	Ammonia
STD. NAME		STD REF.#		
ICAL Standard		WP111741		
ICV Standard		WP111743		
CCV Standard		WP111742		
ICSA Standard		N/A		
CRI Standard		N/A		
LCS Standard WP111420				
Chk Standard WP110416,WP111745,WP111385,WP111660,WP111744			WP111385,WP111660,WP111744	

19	Q1211-01MS	TAPHHA-MW01-0128	MS	02/03/25 13:39		rubina	ок
20	Q1211-01MSD	TAPHHA-MW01-0128	MSD	02/03/25 13:50		rubina	ок
21	Q1211-02	TAPIAL2-MW03-0128	SAM	02/03/25 13:50		rubina	ОК
22	CCV2	CCV2	CCV	02/03/25 13:50		rubina	ОК
23	CCB2	CCB2	CCB	02/03/25 13:50		rubina	ОК
24	Q1252-01	EFFLUENT	SAM	02/03/25 13:50	High	rubina	Dilution
25	Q1252-05	INFLUENT	SAM	02/03/25 13:50	High	rubina	Dilution
26	PB166478BL	PB166478BL	MB	02/03/25 13:50		rubina	ок
27	PB166478BS	PB166478BS	LCS	02/03/25 13:59		rubina	ок
28	Q1168-01	LOD-MDL-SOIL-01-Q	SAM	02/03/25 13:59		rubina	ок
29	Q1168-02	LOQ-SOIL-02-QT1-20	LOQ	02/03/25 13:59		rubina	ОК
30	CCV3	CCV3	CCV	02/03/25 13:59		rubina	ок
31	ССВ3	CCB3	ССВ	02/03/25 14:00		rubina	ок
32	Q1252-01DL	EFFLUENTDL	SAM	02/03/25 14:31	Report 10X	rubina	Confirms
33	Q1252-05DL	INFLUENTDL	SAM	02/03/25 14:31	Report 2X	rubina	Confirms
34	CCV4	CCV4	CCV	02/03/25 14:31		rubina	ок
35	CCB4	CCB4	ССВ	02/03/25 14:31		rubina	ок



Instrument ID: WC SC-3

Review By jigne		esh	Review On	2/5/2025 8:30:49 AM
Supervise By Iwo		na	Supervise On	2/5/2025 9:31:50 AM
SubDirectory	LB	134570	Test	TSS
STD. NAME		STD REF.#		
ICAL Standard	ICAL Standard N/A			
ICV Standard	ICV Standard N/A			
CCV Standard	CCV Standard			
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	LB134570BL	LB134570BL	МВ	02/05/25 09:30		jignesh	ок
2	LB134570BS	LB134570BS	LCS	02/05/25 09:30		jignesh	ок
3	Q1252-01	EFFLUENT	SAM	02/05/25 09:30		jignesh	ОК
4	Q1252-01DUP	EFFLUENTDUP	DUP	02/05/25 09:30		jignesh	ОК
5	Q1252-04	AERATION 1	SAM	02/05/25 09:30		jignesh	ОК
6	Q1282-01	SW-WTS-02	SAM	02/05/25 09:30		jignesh	ОК



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8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID: Q1252

Test: Ammonia,BOD5,Oil and Grease,Phosphorus-Ortho,Phosphorus-Total,TSS

Prepbatch ID: PB166431,PB166477,

Sequence ID/Qc Batch ID: LB134509,LB134510,LB134521,LB134521,LB134532,LB134570,

Standard ID:

EP2580,WP100827,WP100828,WP109922,WP110149,WP110150,WP110335,WP110380,WP110386,WP110400,WP11 0401,WP110416,WP110587,WP110588,WP110826,WP111317,WP111318,WP111323,WP111325,WP111385,WP11141 5,WP111419,WP111420,WP111660,WP111719,WP111720,WP111721,WP111728,WP111729,WP111730,WP111731,WP 111732,WP111733,WP111734,WP111735,WP111736,WP111737,WP111738,WP111739,WP111740,WP111741,WP1117 42,WP111743,WP111744,WP111745,WP99896,

Chemical ID:

E3551,M5673,M6069,M6121,W1992,W1993,W2306,W2606,W2650,W2653,W2654,W2664,W2666,W2699,W2700,W2700,W2700,W2783,W2783,W2788,W2845,W2858,W2898,W2979,W3035,W3059,W3074,W3103,W3105,W3109,W3112,W3113,W3132,W3133,W3140,W3144,W3149,W3153,W3155,W3174,



Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By RUPESHKUMAR	
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SC	None	SHAH	
						ALE_2		01/17/2025	
50014	(EX-SC-2)								

FROM 4000.0000gram of	E3551 = Final Quantity: 4000.000	gram
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Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
114	hexavalent chromium color reagent	WP100827	02/02/2023	02/09/2023	Rubina Mughal	WETCHEM_S CALE_5 (WC	None	02/02/2023

FROM 0.25000gram of W2979 + 50.00000ml of W2783 = Final Quantity: 50.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Sohil Jodhani		
3456	Cyanide Intermediate Working Std, 5PPM	<u>WP100828</u>	02/02/2023	02/03/2023	lwona Zarych	None	WETCHEM_F IPETTE_3	02/07/2023		
	(WC)									

FROM 0.250	000ml of W2898 + 49.75000	ml of WP99896 = Fin	al Quantity: 50.000 ml
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Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Jignesh Parikh
1211	11 N sulfuric acid	WP109922	09/26/2024	03/26/2025	Iwona Zarych	None	None	·
								10/07/2024

FROM 306.00000ml of M5673 + 694.00000ml of W3112 = Final Quantity: 1000.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
153	Ammonia Stock Std. (1000 ppm)	WP110149	10/11/2024	04/08/2025	Rubina Mughal	WETCHEM_S	None	-		
						CALE_5 (WC		10/14/2024		
FDOM	SC-3)									

FROM 3.81900gram of W1993 + 996.18100ml of W3112 = Final Qu	iantity: 1000.000 ml
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Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
1895	Ammonia Stock Std, 1000PPM-SS	<u>WP110150</u>	10/11/2024	04/08/2025	Rubina Mughal	WETCHEM_S CALE 5 (WC	None	10/14/2024
						SC-5)		10/17/2024

FROM 3.81900gram of W1992 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
1597	0.04 N H2SO4	<u>WP110335</u>	10/22/2024	04/22/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	10/22/2024		
50014	(WC)									

<u>FROM</u>	1.00000ml of	M5673 + 999	9.00000mi of v	/V3112 = Final	Quantity: 1000.000	mı

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
126	5N sulfuric acid	WP110380	10/24/2024	04/24/2025	Rubina Mughal	None	None	
								10/24/2024

FROM 140.00000ml of M5673 + 860.00000ml of W3112 = Final Quantity: 1.000 L



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Wet Chemistry STANDARD PREPARATION LOG

Recipe				Expiration	<u>Prepared</u>			Supervised By		
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych		
1841	Sulfuric Acid, 1N	WP110386	10/24/2024	04/24/2025	Rubina Mughal	None	WETCHEM_F			
							IPETTE_3	10/24/2024		
EDOM	(WC)									

<u>FROM</u>	2.80000ml of M5673	+ 97.20000ml of W3112	= Final Quantity: 100.000 r	mı

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
115	Phosphate Stock Std. (50 ppm)	WP110400	10/24/2024	04/23/2025	Rubina Mughal	_	None	•
						CALE_5 (WC		10/25/2024

FROM 0.11000gram of W2699 + 500.00000ml of W3112 = Final Quantity: 500.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe				Expiration	Prepared			Supervised By		
<u>ID</u>	NAME	NO.	Prep Date	<u>Date</u>	Ву	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych		
2790	Phosphate Stock std, 50PPM-SS	WP110401	10/24/2024	04/24/2025	Rubina Mughal	WETCHEM_S	None	,		
						CALE_5 (WC		10/25/2024		
FROM	FROM 0.11000gram of W2708 + 500 00000ml of W3112 = Final Quantity: 500 000 ml									

11011	 	

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarvch
740	sodium nitroferricyanide for ammonia	<u>WP110416</u>	10/25/2024	04/25/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC	None	10/25/2024

FROM 0.05000gram of W2666 + 99.95000ml of W3112 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Jignesh Parikh
648	Ammonium molybdate solution	<u>WP110587</u>	11/07/2024	05/07/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC		11/07/2024
	00.0000	0 1 (1)(0.4)	10 5 10			SC-5)		

FROM 20.00000gram of W2664 + 480.00000ml of W3112 = Final Quantity: 500.000 ml

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Jignesh Parikh
588	Potassium Antimonyl Tartrate	WP110588	11/07/2024	05/07/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC	None	11/07/2024

FROM 1.37150gram of W2306 + 500.00000ml of W3112 = Final Quantity: 500.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
229	1:1 HCL	WP110826	11/22/2024	05/13/2025	Jignesh Parikh	None	None	, .
								11/22/2024

FROM	500.00000ml of M6121 + 500.00000ml of W3112 = Final Quantity: 1.000 L
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Recipe				<u>Expiration</u>	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
1796	NaOH, 0.1N	WP111317	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_S	None	
						CALE_7 (WC		01/09/2025

FROM 4.00000gram of W3113 + 996.00000ml of W3112 = Final Quantity: 1000.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
1471	NaOH Solution, 6N	WP111318	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_S	None	IWOIIA Zaryon		
						CALE_7 (WC		01/09/2025		
EDOM	SC-0)									

FROM	240.00000gram of W3113 + 760.00000ml of W3112 = Final Quantity: 1000.000 ml
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Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
1571	Sodium hydroxide, 1N	WP111323	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_S	None	
						CALE_8 (WC		01/09/2025

FROM 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
1494	BORATE BUFFER	WP111325	01/09/2025	07/09/2025	Rubina Mughal	None	None	
								01/09/2025

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
290	Phenol reagent for Ammonia	WP111385	01/13/2025	07/13/2025		WETCHEM_S		
						CALE_8 (WC		01/13/2025

FROM 3.20000gram of W3113 + 8.30000gram of W2858 + 88.80000ml of W3112 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
1213	Phenolphthalein indicator	<u>WP111415</u>	01/15/2025	06/04/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC	None	01/16/2025		
FROM	FROM 0.10000gram of W2650 + 50.00000ml of W2788 + 50.00000ml of W3112 = Final Quantity: 100.000 ml									

Recipe ID	<u>NAME</u>	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarych
1322	Ammonia Intermediate Std, 50PPM	<u>WP111419</u>	01/16/2025	02/16/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	01/16/2025

95.00000ml of W3112 + 5.00000ml of WP110149 $\,$ = Final Quantity: 100.000 $\,$ ml $\,$ **FROM**



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
1639	Ammonia Intermediate Std-Second source, 50PPM	<u>WP111420</u>	01/16/2025	02/16/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	01/16/2025		
FDOM	(WC)									

<u>FROM</u>	95.00000ml of W3112 + 5.00000ml of WP110150 = Final Quantity: 100.000 ml

Recipe				<u>Expiration</u>	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
635	EDTA BUFFER FOR AMMONIA	WP111660	01/28/2025	07/28/2025	Rubina Mughal	WETCHEM_S	None	
						CALE_8 (WC		01/28/2025

FROM 5.50000gram of W3113 + 50.00000gram of W3132 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
127	BOD Dilution fluid	WP111719	01/31/2025	02/01/2025	Rubina Mughal	None	None	, , ,
								02/03/2025

FROM	18.00000L of W3112 + 3.00000PILLOW of W3144 = Final Quantity: 18.000 L
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Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarvch
129	Glutamic acid-glucose mix for BOD	<u>WP111720</u>	01/31/2025	02/01/2025	Rubina Mughal	WETCHEM_S CALE_7 (WC	None	02/03/2025

FROM 0.15000gram of W2653 + 0.15000gram of W2654 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml





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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
128	polyseed seed control	<u>WP111721</u>	01/31/2025	02/01/2025	Rubina Mughal	None	None	02/03/2025
								02/03/2023

FROM 1.00000PILLOW of W3059 + 300.00000ml of WP111719 = Final Quantity: 300.000 ml

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
122	calibration std. 0 ppm	WP111728	01/31/2025	02/07/2025	Niha Farheen	None	None	
					Shaik			02/03/2025

FROM 100.0000ml of W3112 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych	
121	calibration std. phosphate 0.05 ppm	<u>WP111729</u>	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	02/03/2025	
	(WC)								

FROM	99.90000ml of W3112 + 0.10000ml of WP110400 = Final C	Quantity: 100.000 ml
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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
120			01/31/2025	· 	Niha Farheen		WETCHEM F	Iwona Zarych
					Shaik		IPETTE_3	02/03/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP110400 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
119	calibration std. phosphate 0.3 ppm	WP111731	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	02/03/2025
	00 40000 at M2442 + 0 00000 at	f WD44040	L — Final Oua				(WC)	

<u>FROM</u>	99.40000ml of W3112 + 0.60000ml of WP110400 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
118			01/31/2025	· 	Niha Farheen		WETCHEM_F	Iwona Zarych
					Shaik		IPETTE_3	02/03/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP110400 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
117	calibration std. phosphate 1 ppm	<u>WP111733</u>	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	02/03/2025
	00 00000ml of W2442 + 2 00000ml o	f \\\\D44040	. – Final Oua	-tit 100 000			(WC)	

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
124	phosphate CCV std.	WP111734	01/31/2025	02/07/2025	Niha Farheen	None	WETCHEM_F	
					Shaik		IPETTE_3	02/03/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP110400 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3805	Phosphate ICV-LCS Std	<u>WP111735</u>	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_P IPETTE_3	02/03/2025
	00 00000ml of W2442 + 4 00000ml o	£ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 - Final Our				(WC)	

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarych
3907	Phosphate MDL-LOD-LOQ spike solution, 5ppm	<u>WP111736</u>	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3 (WC)	02/03/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP110400 = Final Quantity: 10.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3814	Phosphate LOD-MDL Std 0.025ppm	<u>WP111737</u>	01/31/2025	02/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	02/03/2025
	(WC)							

FROM 99.50000ml of W3112 + 0.50000ml of WP111736 = Final Quantity: 100.000 ml

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
3730	Phoshphate LOQ std, 0.05PPM	WP111738	01/31/2025	02/07/2025	Niha Farheen	None	WETCHEM_F	
					Shaik		IPETTE_3	02/03/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP111736 = Final Quantity: 100.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
590	Ascorbic Acid	WP111739	01/31/2025	02/07/2025	Niha Farheen	WETCHEM_S	None	
					Shaik	CALE_5 (WC		02/03/2025
50014	SC-5)							

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
658	Combined reagent	WP111740	01/31/2025	02/01/2025	Niha Farheen	None	None	
					Shaik			02/03/2025

FROM 15.00000ml of WP110587 + 30.00000ml of WP111739 + 5.00000ml of WP110588 + 50.00000ml of WP110380 = Final Quantity: 100.000 ml



Alliance TECHNICAL GROUP

285

Ammonia CCV Std. (1 ppm)

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Wet Chemistry STANDARD PREPARATION LOG

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
275	Ammonia Calibration Std. (2 ppm)	<u>WP111741</u>	02/03/2025	02/04/2025	Rubina Mughal	None	WETCHEM_F	
							IPETTE_3	02/03/2025
FROM	(WC)							

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	<u>PipetteID</u>	Supervised By

02/04/2025 Rubina Mughal

None

WETCHEM_F IPETTE_3

02/03/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP111419 = Final Quantity: 50.000 ml

WP111742 02/03/2025



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Wet Chemistry STANDARD PREPARATION LOG

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	Ву	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
286	Ammonia ICV Std. (1 ppm)	<u>WP111743</u>	02/03/2025	02/04/2025	Rubina Mughal	None	WETCHEM_F IPETTE 3	02/03/2025
FROM 49.00000ml of W3112 + 1.00000ml of WP111420 = Final Quantity: 50.000 ml								

FROM	49.0000ml of W3112 +	1.00000ml of WP111420	= Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3906	Ammonia MDL-LOD-LOQ spiking solution -5ppm	<u>WP111744</u>	02/03/2025	02/04/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	lwona Zarych 02/03/2025

45.00000ml of W3112 + 5.00000ml of WP111419 = Final Quantity: 50.000 ml **FROM**



Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
289	Sodium Hypochlorite for Ammonia	<u>WP111745</u>	02/03/2025	07/31/2025	Rubina Mughal	None	None	02/03/2025
	I				<u> </u>			

FROM	50.00000ml of W3112 + 50.00000ml of W3174 = Final Quantity: 100.000 ml
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Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
11	Sodium hydroxide absorbing solution 0.25 N	<u>WP99896</u>	11/15/2022	05/15/2023	•	WETCHEM_S CALE_4 (WC		11/15/2022

FROM 21.00000L of W2606 + 210.00000gram of W2845 = Final Quantity: 21.000 L



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	07/01/2025	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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	09/21/2023 / mohan	09/05/2023 / mohan	M5673
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)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	WL13B	04/08/2025	04/08/2015 / apatel	04/08/2015 / apatel	W1992
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific	J0660-1 / AMMONIUM	XE09B	04/08/2025	04/08/2015 /	04/08/2015 /	W1993



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
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606
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.	J3246-1 / POTAS PHOSPHATE, MONO, CRYS, ACS, 500G	04/2019-20	04/23/2025	04/23/2020 / apatel	03/11/2020 / apatel	W2699
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
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, CRYS, ACS, 500G	99/2019-20	05/05/2025	05/05/2020 / apatel	05/05/2020 / apatel	W2708
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)	0000263246	06/17/2023	12/23/2020 / ketankumar	12/23/2020 / ketankumar	W2783
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
PCI Scientific Supply, Inc.	PC16721-3 / Isopropanol, 99%	C20F23007	06/23/2025	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.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	21C2456604	01/31/2024	03/30/2022 / JIGNESH	06/24/2021 / apatel	W2845
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 /	Chemtech Lot #
Supelco	90157 / Cyanide Standard, 1000ppm from Supelco	HC03107133	06/30/2023	01/24/2022 / apatel	01/24/2022 / apatel	W2898
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	31390 / 1,5-Diphenylcarbazide	MKCR6636	12/09/2027	12/09/2022 / Iwona	12/09/2022 / Iwona	W2979
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	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	136742-80 / POLYSEED	152305	05/30/2025	02/15/2024 / Rubina	10/18/2023 /	W3059



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.	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,4LIT RE	4403S13	09/30/2025	04/22/2024 / Iwona	04/22/2024 / Iwona	W3105
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL04100-4 / Alkaline lodide Azide, 1 L	1405D67	04/30/2026	05/23/2024 / lwona	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 #
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
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	10D0142	09/17/2029	09/17/2024 / Iwona	09/17/2024 / Iwona	W3140
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 / Iwona	W3144
					•	
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
Supplier PCI Scientific Supply, Inc.	ItemCode / ItemName AL70850-8 / Starch Solution, 4L	Lot # 4408P62		-		
PCI Scientific	AL70850-8 / Starch		Date	Opened By 10/16/2024 /	10/16/2024 /	Lot #



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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 / Iwona	12/02/2024 / Iwona	W3155

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 / Iwona	01/24/2025 / Iwona	W3174



CERTIFICATE OF ANALYSIS

Printed:

12/8/2017

Customer: PCI SCIENTIFIC

Page 1 of 1

Customer No: Order Number: 30017 3008126

Delivery #:

Customer PO:

6035343

Catalog:

A1561

58495347 Potassium Antimony Tartrate Trihydrate,

Lot: 2GH0057

Reagent, ACS

W2306

 $\begin{array}{ccc} \textbf{Chemical Formula:} & C_8H_4K_2O_{12}Sb_2.3H_2O\\ & \textbf{CAS\#:} & 28300\text{-}74\text{-}5 \end{array}$

Formula Weight: 667.87

Received Mills

Test	Limit	Results
	Min. Max.	
ASSAY (C ₈ H ₄ K ₂ O ₁₂ Sb ₂ .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:



Certificate of Analysis

Date of Release: 12/18/2013



size codes

Grade: Meets ACS Specifications CAS #: 12125-02-9

Country of Origin: India FW: 53.49

Lot No.: WL13B ClH_4N

Requirement					
Characteristic	Minimum	Maximum	Results	UOM	
Assay (argentometric)	99.5		99.9	%	
Calcium (Ca)		0.001	0.0001	%	
Form	White crystals		White crystals		
Heavy metals (as Pb)		5	5	ppm	
Identification	To pass test		Passes		
Insoluble matter		0.005	0.002	%	
Iron (Fe)		2	2	ppm	
Loss on drying (105 C)		0.5	0.21	%	
Magnesium (Mg)		5	0.6	ppm	
pH of a 5% solution at 25 C	4.5	5.5	4.76		
Phosphate (PO4)		2	2	ppm	
Residue after ignition		0.01	0.002	%	
Sulfate (SO4)		0.002	0.002	%	

Joe Schoellkopff

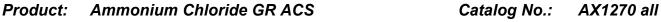
Quality Control Manager

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F 7.5.3-3 Q # 016969 MA5666 WL13BCOA WL13

Certificate of Analysis

Date of Release: 5/12/2014



size codes

Grade: Meets ACS Specifications CAS #: 12125-02-9

Country of Origin: India FW: 53.49

Lot No.: XE09B ClH_4N

Requirement					
Characteristic	Minimum	Maximum	Results	UOM	
Assay (argentometric)	99.5		99.8	%	
Calcium (Ca)		0.001	0.0001	%	
Form	White crystals		White crystals		
Heavy metals (as Pb)		5	5	ppm	
Identification	To pass test		Passes		
Insoluble matter		0.005	0.002	%	
Iron (Fe)		2	2	ppm	
Loss on drying (105 C)		0.5	0.22	%	
Magnesium (Mg)		5	0.7	ppm	
pH of a 5% solution at 25 C	4.5	5.5	4.95		
Phosphate (PO4)		2	2	ppm	
Residue after ignition		0.01	0.002	%	
Sulfate (SO4)		0.002	0.002	%	

Joe Schoellkopff

Quality Control Manager

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F 7.5.3-3 Q # 017800 MA5666 XE09BCOA HMXE09



Subject to Vadodara Jurisdiction

CHAMPA PURIE-CHEM INDUSTRIES

ISO 9001: 2015 CERTIFIED COMPANY

Importers Exporters Manufacturers & Marketing of Fine Chemicals & Pharmaceuticals

262-263, G.I.D.C. Estate, Makarpura, Vadodara - 390 010. Gujarat - INDIA. Phone: (F) +91-265-2638314 / 2643723 Fax : (F) +91-265-2638036 E-mail: info@cpcindia.com Web : www.cpcindia.com

CERTIFICATE OF ANALYSIS

PRODUCT : POTASSIUM PHOSPHATE MONOBÁSIC Anhy. - ACS CERTIFICATE NO DATE 13-05-2019 04/2019-20 Quantity: 1000 KGS. Date of receipt of sample 29.04.2019 Batch No. /Lot No. 04/2019-20 : April-2019 Mfg. Date 1. Characteristic : A White powder 2. Identification Positive RESULT LIMITS OBTAINED : 10% solution is clear and colourless 3. Clearity and colour of solution Min.99.00% 4. Assay (on dry basis) 99.35% 5. PH (5% solution) 4.28 4.1-4.5 6. Loss on Drying 0.06% Max 0.2% 7. Heavy Metals 0.0004% Max.0.001% 8. iron 0.001% Max 0.002% 0.0015% Max. 0.003% 9. Sulphate 10. Chloride 0.0005% Max.0.001% 11. Insoluble Matter 0.002% Max. 0.01%

0.0038%

The sample does comply with specification as per Above,

Analysed by 3. A. PATHAK

12. Sodium

Quality Control Department

Max. 0.005%



Certificate of Analysis

1.19533.0500 Cyanide standard solution traceable to SRM from NIST K₂[Zn(CN)₄] in H₂O

1000 mg/I CN Certipur®

HC03107133 **Batch**

		Batch Values		 	
Concentration	β (CN ⁻)	1002	mg/l		

Determination method: Argentometric titration.

The content of this solution was determined with silver nitrate standard solution (article number 1.09081) standardized against volumetric standard sodium chloride (article number 1.02406). The expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is \pm 0.7 % (k=2 coverage factor fac coverage probability). The certified value is traceable to primary standard NIST SRM 999c (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard sodium chloride, measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Date of release (DD.MM.YYYY) 02.07.2020 Minimum shelf life (DD.MM.YYYY) 30.06.2023

Ayfer Yildirim

Responsible laboratory manager quality control

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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 MoO3)	81.0 - 83.0 %	81.4
ACS – Insoluble Matter	<= 0.005 %	< 0.001
Chloride (Cl)	<= 0.002 %	< 0.002
Nitrate (NO3)	Passes Test	PT
Arsenate, Phosphate and Silicate (as SiO2)	<= 0.001 %	< 0.001
ACS – Phosphate (PO4)	<= 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



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,

Specification	Result
Passes Test	PT
Passes Test	PT
Passes Test	PT
	Passes Test Passes Test

For Laboratory, Research or Manufacturing Use

Country of Origin: CN

Packaging Site: Paris Mfg Ctr & DC



Acetone
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9254-03 Batch No.: 0000263246

Manufactured Date: 2020/06/17 Expiration Date: 2023/06/17

Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.7
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0000 ppm	0.1000
Substances Reducing Permanganate	Passes Test	PT
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	< 0.1
Water (H₂O)	<= 0.5 %	0.3
FID–Sensitive Impurities (as 2–Octanol) Single Impurity Peak (ng/mL)	<= 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	5

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

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC





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%

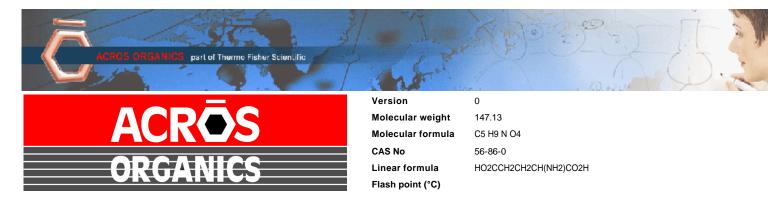
Lot No.: W12F013

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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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 HCI)	(c=10, 2N HCI)
Chloride (CI)	=<200 ppm	=<200 ppm
Iron (Fe)	=<30 ppm	=<10 ppm
Sulfate (SO4)	=<300 ppm	=<200 ppm
Ammonium (NH4)	=<200 ppm	=<200 ppm
Arsenic oxide (As2O3)	=<1 ppm	=<1 ppm





L. Van den Broek, QA Manager

Acros Organics ENA23, zone 1, nr 1350, Janssen Pharmaceuticalaan 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

Issued: 24 January 2020



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	99.92%
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
Titrable Acid or Base	ACS ⁺	0.0001 meq/g max	0.0001 meq/g
Caula and Causa and a	ACC	Propionaldehyde 0.002% max	< 0.002%
Carbonyl Compounds	ACS	Acetone 0.002% max	None Detected
		Diethyl Ether NMT 0.1% Acetone NMT 0.1%	< 0.1% None Detected
Limit of Malatila Image with a	USP	Diisopropyl Ether NMT 0.1%	< 0.1%
Limit of Volatile Impurities	USP	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%	2.00/3

[†]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

Deal Sink

Date of Approval: 06/23/2020

Sigma-Aldrich

W 3035 12 lec. 6/6/23 3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Name:

Certificate of Analysis

(NH₄)₂S₂O₈

Ammonium persulfate - ACS reagent, ≥98.0%

Product Number:

248614

Batch Number:

MKCR9319

Brand:

SIGALD

CAS Number:

SIGALD

MDL Number:

7727-54-0

Formula Weight:

MFCD00003390 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 Chur	iks Crystals
ICP Major Analysis	Confirmed	Confirmed
Confirms Sulfur Component		
Titration by KMNO4	≥ 98.0 %	100.0 %
Residue on ignition (Ash)	<pre>< 0.05 %</pre>	< 0.05 %
Insoluble Matter	≤ 0.005 %	0.002 %
c = 10 %; In Water	_	
Chloride and Chlorate (as Cl)	<u><</u> 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metal	<u><</u> 0.005 %	< 0.001 %
as Lead Manganese (Mn)	< 0.5 npm	< 0.1 ppm
• , ,	< 0.5 ppm	< 0.1 ppm
Titratable 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

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 152305 • Mfg. Date: 05/2023 • Exp. Date: 05/2025

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 x10⁹ cfu/a.

GLUCOSE/GLUTAMIC-ACID RESULTS:

Tested results within acceptable range 198 +/- 30.5 mg/L (167.5 - 228.5 mg/L). GGA Lot# L257-09 – Average Test Result: 203.4

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 assure that the Finished Product conforms to the above specification.

Signature:

Date: 05/15/2023

Quality Control Department

POLYSEED.Ref.1.19

Revised Jan 23







Date of Release: 11/14/2019

Name: Sodium Borate, Decahydrate

ACS

Item No: **SX0355 All Sizes**Lot / Batch No: **2019111354**Country of Origin: **India**

W2700 Recived by AP on 3/11/2020

Item	Specifications	Analysis
Assay (Na2B4O7 • 10H2O)	99.5 - 105.0%	101.7%
Calcium (Ca)	0.005% max.	0.003%
Chloride (CI)	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 (PO4)	0.001% max.	<0.001%
Sulfate (SO4)	0.005% max.	<0.005%

Joe Schoellkopff

Quality Control Manager

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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 Page 1 of 1



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 processing aids, or any other material that	•	
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

Derisa Bailey- Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn



MIRADOR 201, COL. MIRADOR MONTERREY, N.L. MEXICO CP 64070 TEL +62 81 13 52 57 57 www.pqm.com,mx

CERTIFICATE OF ANALYSIS

PRODUCT:

SODIUM SULFATE CRYSTALS ANHYDROUS

QUALITY:

ACS (CODE RMB3375)

FORMULA:

Na₂SO₄

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)	Wax. 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 foreing 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%	25%
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 Ri on 7/4/3 E 3551

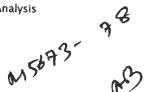
RE-02-01, Del

Sulfuric Acid BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium









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 SO2)	≤ 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 (AI)	≤ 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





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





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.

US Tel.: +1 888 321 62 24 sales-us@mn-net.com

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





R->16/13/24 Met dig

M 6/21

Material No.: 9530-33 Batch No.: 0000275677 Manufactured Date: 2020/12/16 Retest Date: 2025/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result 37.6	
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %		
ACS - Color (APHA)	<= 10	5	
ACS - Residue after Ignition	<= 3 ppm	1	
ACS - Specific Gravity at 60°/60°F	1.185 – 1.192	1.190	
ACS – Bromide (Br)	<= 0.005 %	< 0.005	
ACS - Extractable Organic Substances	<= 5 ppm	1	
ACS - Free Chlorine (as Cl2)	<= 0.5 ppm	< 0.5	
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03	
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3	
Sulfite (SO ₃)	<= 0.8 ppm	0.3	
Ammonium (NH ₄)	<= 3 ppm	< 1	
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003	
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2	
Arsenic and Antimony (as As)	<= 5 ppb	< 3	
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2	
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2	
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0	
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0	
Frace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3	
Frace Impurities – Calcium (Ca)	<= 50.0 ppb	29.7	
race Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4	
race Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.4	
race Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1	
race Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2	

Material No.: 9530-33 Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Frace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Frace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
race Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
race Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
race Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
race Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
race Impurities – Thallium (TI)	<= 5.0 ppb	< 2.0
race Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
race Impurities - Titanium (Ti)	<= 1.0 ppb	0.8
race Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
race Impurities – Zinc (Zn)	<= 5.0 ppb	
race Impurities – Zirconium (Zr)	<= 1.0 ppb	0.3 < 0.1

For Laboratory, Research or Manufacturing Use Product Information (not specifications): Appearance (clear, fuming liquid) Meets ACS Specifications

Country of Origin:

US

Packaging Site:

Phillipsburg Mfg Ctr & DC





CHAMPA PURIE-CHEM INDUSTRIES

ISO 9001 : 2015 CERTIFIED COMPANY

Importers Exporters Manufacturers & Marketing of Fine Chemicals & Pharmaceuticals

262-263, G.I.D.C. Estate, Makarpura, Vadodara - 390 010. Phone: (F) +91-265-2633314 / 2643723
Fax : (F) +91-265-2638036
E-mail: info@cpcindia.com
Web : www.cpcindia.com

W2708 Received on 05/05/20 by AP

CERTIFICATE OF ANALYSIS

PRODUCT	POTASSIUM PHOSPHATE M	
CERTIFICATE NO	: 99/2019- 20	DATE 26-08-2019
Date of receipt of sample		Quantity : 1000 KGS
Batch No. /Lot No Mfg. Date : Aug-2019	: 99/2019- 20	
iving. Date . Aug-2019		
Characteristic	: A White powder	
2. Identification	: Positive	
	RESULT OBTAINED	LIMITS
Clearity and colour of so	lution : 10% solution is clea	ar and colourless
4. Assay (on dry basis)	: 99.27%	Min.99.00%
5. PH (5% solution)	: 4.4	4.1-4.5
6. Loss on Drying	: 0.1%	∦ Max 0.2%
7. Heavy Metals	: 0.0003%	Max.0.001%
8. Iron	: 0.001%	Max 0.002%
9. Sulphate		Max. 0.003%
10. Chloride	: 0.0005%	Max.0.001%
11. Insoluble Matter	: 0.003%	Max. 0.01%
12. Sodium	: 0.004%	Max. 0.005%

The sample does comply with specification as per Above.

Analysed by J. A. PATHAK

Quality Control Department

W 2979

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

lec: 12/08/22

exp. 12/08/27

Certificate of Analysis

1,5-Diphenylcarbazide - ACS reagent

Product Number:

259225

Batch Number:

MKCR6636

Brand:

SIAL

CAS Number:

140-22-7

MDL Number:

MFCD00003013

Formula:

C13H14N4O

Formula Weight:

242.28 g/mol

Quality Release Date:

02 JUN 2022

Test	Specification		Result	
Appearance (Color)	Conforms to Requirements	Pink		
Off-White to Pink, Light Purple or Tan	-			
Appearance (Form)	Powder or Chunks	Powder		
Melting Point	173.0 - 176.0 ℃	173.0 °C		
Infrared Spectrum	Conforms to Structure	Conforms		
Residue on ignition (Ash)	< 0.05 %	0.01 %		
15 minutes, 800 Degrees Celsius	_			
Solubility	Pass	Pass		
Sensitivity Test	Pass	Pass		
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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

W3074 Rec. on 01/16/24 by IZ

Certificate of Analysis

L-Ascorbic acid - ACS reagent, ≥99%

Product Name:

Product Number: 255564

Batch Number: MKCS4627

Proped: SIAL

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	20.5 - 21.5 deg	20.7 deg
(+); c = 10%; Water		
Titration by Iodine	≥ 99.0 %	99.4 %
Residue on Ignition	≤ 0.10 %	0.03 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals	< 0.002 %	0.001 %
by ICP-OES		
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.

Version Number: 1 Page 1 of 1

1841 Broad Street Pocomoke City, MD 21851 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

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)

Version: 1.3 Lot Number: 2403J02 Product Number: 4620 Page 1 of 2



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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Version: 1.3 Lot Number: 2403J02 Product Number: 4620 Page 2 of 2

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customerservice@riccachemical.com

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

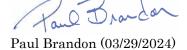
Specification	Reference	
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)	
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-Cl B)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O C)	
Standard Sodium Thiosulfate Titrant, 0.025 M	АРНА (5530 С)	
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)

Version: 1.3 Lot Number: 4403S13 Product Number: 7900 Page 1 of 2



Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials $^{\rm --}$ Contents of Certificates and Labels."

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Version: 1.3 Lot Number: 4403S13 Product Number: 7900 Page 2 of 2

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customerservice@riccachemical.com

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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Version: 1.3 Lot Number: 1405D67 Product Number: 535 Page 1 of 1



12/14/2022

12/31/2025

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40

CAS #: 1310-73-2

Appearance: 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

Manufacture Date:

Expiration Date:

Internal ID #: 710

Signature Additional Information

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

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

Product meets analytical specifications of the grades listed.



12/14/2022

12/31/2025

Room Temperature

Manufacture Date:

Expiration Date:

Storage:

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH Molecular Weight: 40

CAS #: 1310-73-2

Appearance:

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature Additional Information

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

Product meets analytical specifications of the grades listed.



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

7557	SPECIFICATION		BECULT.	
TEST	MIN	MAX	RESULT	
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[$n[(HOCOCH_2)]$ 3N]		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

Spectrum Chemical Mfg Corp 755 Jersey Avenue New Brunswick 08901 NJ Certificate of Analysis Results Approved By:

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

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

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: Scottals

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customerservice@riccachemical.com

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	Passed			
	(Iodine present)				

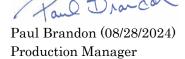
Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-C1 B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-C1 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)

Version: 1.3 Lot Number: 4408P62 Product Number: 8000 Page 1 of 2



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Version: 1.3 Lot Number: 4408P62 Product Number: 8000 Page 2 of 2

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





N3153 12512024 Certificate of Analysis

Material No.: 9262-03 Batch No.: 24G1962003 Manufactured Date: 2024-05-23 Expiration Date: 2025-08-22

Revision No.: 0

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H2SO4	Passes Test	Passes Test
Vater (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC



1841 Broad Street Pocomoke City, MD 21851 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

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)	$4.75 \text{-} 5.25 \% \text{ (w/w) Cl}_2$	$5.17~\%$ (w/w) $\mathrm{Cl_2}$	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

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Version: 1.3 Lot Number: 2501J28 Product Number: 7495.5 Page 1 of 1



SHIPPING DOCUMENTS



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CHEMTECH PROJECT NO. Q1252

coc Number 2041563

		INFORMATION		CL				CLIENT PROJECT INFORMATION						2 0	H	CLIEN	IT BILLI	NG INFO	PRMATION	F F F F F 2	
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CITY SUC	CASUNNA	STATE: N.	5 ZIP: 07876	PROJEC	PROJECT MANAGER: TODA HOLLAND							CITY			STATE: ZIP:						
ATTENTION:				e-mail:								ATTENTION:				PHONE:					
PHONE:		FAX:		PHONE											ANA	LYSIS					
	DATA TURNAR	OUND INFORMATI	ION	E5W		DATA	DEI	LIVEF	RABLE IN		ATION		4								Cyclins.
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SAMPLE ID	SA	SAMPLE IDENTIFICATION		MATRIX	COMP	GRAB	DA	ATE	TIME	OF BO	3	2	3	<u>C</u>	C 5	6	7	8		A-HCI B-HN03 C-H2SO4	D-NąOH E-ICE
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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

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