

Cover Page

Order ID : Q3181

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q3181-01
Q3181-02
Q3181-03
Q3181-04
Q3181-05
Q3181-06
Q3181-07
Q3181-08
Q3181-09
Q3181-10
Q3181-11
Q3181-12

Client Sample Number

WC-A3-01-G
WC-A3-01-C
WC-A3-01-C
WC-A3-01-C
WC-A3-02-G
WC-A3-02-C
WC-A3-02-C
WC-A3-02-C
WC-A3-03-G
WC-A3-03-C
WC-A3-03-C
WC-A3-03-C

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

Signature : _____

Date: 9/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- INORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3181

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 09/30/2025

LAB CHRONICLE

OrderID:	Q3181	OrderDate:	9/24/2025 12:57:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	Location:	J33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3181-02	WC-A3-01-C	SOIL			09/24/25 12:00			09/24/25
			Oil and Grease	9071B			09/29/25 12:30	
			Paint Filter	9095B			09/26/25 09:20	
			pH	9045D			09/26/25 08:40	
			TS	SM2540 B			09/25/25 11:00	
			TVS	160.4			09/25/25 15:30	
Q3181-03	WC-A3-01-C	SOIL			09/24/25 12:00			09/24/25
			Corrosivity	9045D			09/26/25 08:40	
			Ignitability	1030			09/25/25 11:54	
			Reactive Cyanide	9012B		09/25/25	09/26/25 11:11	
			Reactive Sulfide	9034		09/26/25	09/26/25 12:45	
Q3181-04	WC-A3-01-C	WATER			09/24/25 12:00			09/24/25
			ASTM Ammonia	SM4500-NH3		09/29/25	09/29/25 13:36	
			ASTM COD	SM5220 D			09/29/25 12:47	
			ASTM Oil and Grease	1664A			09/26/25 15:00	

LAB CHRONICLE

Q3181-06	WC-A3-02-C	SOIL	ASTM TS	SM2540 B		09/26/25 10:30	09/24/25
					09/24/25 12:00		
			Oil and Grease	9071B		09/29/25 12:30	
			Paint Filter	9095B		09/26/25 09:35	
			pH	9045D		09/26/25 08:55	
			TS	SM2540 B		09/25/25 11:00	
			TVS	160.4		09/25/25 15:30	
Q3181-07	WC-A3-02-C	SOIL			09/24/25 12:00		09/24/25
			Corrosivity	9045D		09/26/25 08:55	
			Ignitability	1030		09/25/25 12:02	
			Reactive Cyanide	9012B	09/25/25	09/26/25 11:11	
			Reactive Sulfide	9034	09/26/25	09/26/25 12:48	
Q3181-08	WC-A3-02-C	WATER			09/24/25 12:00		09/24/25
			ASTM Ammonia	SM4500-NH3	09/29/25	09/29/25 13:36	
			ASTM COD	SM5220 D		09/29/25 12:49	
			ASTM Oil and Grease	1664A		09/26/25 15:00	
			ASTM TS	SM2540 B		09/26/25 10:30	
Q3181-10	WC-A3-03-C	SOIL			09/24/25 12:00		09/24/25
			Oil and Grease	9071B		09/29/25 12:30	

LAB CHRONICLE

			Paint Filter	9095B		09/26/25	
			pH	9045D		09:42	
			TS	SM2540 B		09/26/25	
			TVS	160.4		09:00	
						09/25/25	
Q3181-11	WC-A3-03-C	SOIL				11:00	
						09/25/25	
						15:30	
					09/24/25		09/24/25
					12:00		
			Corrosivity	9045D		09/26/25	
			Ignitability	1030		09:00	
			Reactive Cyanide	9012B		09/25/25	
			Reactive Sulfide	9034		12:10	
					09/25/25	09/26/25	
Q3181-12	WC-A3-03-C	WATER				11:11	
						09/26/25	
						12:51	
					09/24/25		09/24/25
					12:00		
			ASTM Ammonia	SM4500-NH3		09/29/25	
			ASTM COD	SM5220 D		09/29/25	
			ASTM Oil and Grease	1664A		13:36	
			ASTM TS	SM2540 B		09/29/25	
						12:50	
						09/26/25	
						15:00	
						09/26/25	
						10:30	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-01-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-02	Matrix:	SOIL
		% Solid:	78.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	31.7	J	1	7.36	31.7	mg/Kg		09/29/25 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		09/26/25 09:20	9095B
pH	11.2	H	1	0	0	pH		09/26/25 08:40	9045D
TS	80.0		1	1.00	5.00	%		09/25/25 11:00	SM 2540 B-20
TVS	3.60	J	1	1.00	10.0	%		09/25/25 15:30	160.4

Comments: pH result reported at temperature 24.5 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-01-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.2	H	1	0	0	pH		09/26/25 08:40	9045D
Ignitability	NO		1	0	0	oC		09/25/25 11:54	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	09/25/25 13:30	09/26/25 11:11	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	09/26/25 08:45	09/26/25 12:45	9034

Comments: pH result reported at temperature 24.5 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-01-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.41		1	0.030	0.10	mg/L	09/29/25 09:10	09/29/25 13:36	SM 4500-NH3 B plus NH3 G-11
ASTM COD	64.3		1	1.50	10.0	mg/L		09/29/25 12:47	SM 5220 D-11
ASTM Oil and Grease	0.30	J	1	0.29	5.00	mg/L		09/26/25 15:00	SW1664A
ASTM TS	445		1	1.00	5.00	mg/L		09/26/25 10:30	SM 2540 B-20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-02-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-06	Matrix:	SOIL
		% Solid:	78.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	31.8		1	7.40	31.8	mg/Kg		09/29/25 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		09/26/25 09:35	9095B
pH	11.4	H	1	0	0	pH		09/26/25 08:55	9045D
TS	78.1		1	1.00	5.00	%		09/25/25 11:00	SM 2540 B-20
TVS	1.30	J	1	1.00	10.0	%		09/25/25 15:30	160.4

Comments: pH result reported at temperature 24.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-02-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.4	H	1	0	0	pH		09/26/25 08:55	9045D
Ignitability	NO		1	0	0	oC		09/25/25 12:02	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	09/25/25 13:30	09/26/25 11:11	9012B
Reactive Sulfide	1.60	J	1	0.20	10.0	mg/Kg	09/26/25 08:45	09/26/25 12:48	9034

Comments: pH result reported at temperature 24.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-02-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	1.00		1	0.030	0.10	mg/L	09/29/25 09:10	09/29/25 13:36	SM 4500-NH3 B plus NH3 G-11
ASTM COD	74.4		1	1.50	10.0	mg/L		09/29/25 12:49	SM 5220 D-11
ASTM Oil and Grease	0.40	J	1	0.29	5.00	mg/L		09/26/25 15:00	SW1664A
ASTM TS	431		1	1.00	5.00	mg/L		09/26/25 10:30	SM 2540 B-20

Comments:

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-03-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-10	Matrix:	SOIL
		% Solid:	77.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	38.7		1	7.50	32.3	mg/Kg		09/29/25 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		09/26/25 09:42	9095B
pH	11.7	H	1	0	0	pH		09/26/25 09:00	9045D
TS	79.9		1	1.00	5.00	%		09/25/25 11:00	SM 2540 B-20
TVS	4.20	J	1	1.00	10.0	%		09/25/25 15:30	160.4

Comments: pH result reported at temperature 24.7 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-03-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.7	H	1	0	0	pH		09/26/25 09:00	9045D
Ignitability	NO		1	0	0	oC		09/25/25 12:10	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	09/25/25 13:30	09/26/25 11:11	9012B
Reactive Sulfide	1.58	J	1	0.20	10.0	mg/Kg	09/26/25 08:45	09/26/25 12:51	9034

Comments: pH result reported at temperature 24.7 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-03-C	SDG No.:	Q3181
Lab Sample ID:	Q3181-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.79		1	0.030	0.10	mg/L	09/29/25 09:10	09/29/25 13:36	SM 4500-NH3 B plus NH3 G-11
ASTM COD	51.2		1	1.50	10.0	mg/L		09/29/25 12:50	SM 5220 D-11
ASTM Oil and Grease	0.30	J	1	0.29	5.00	mg/L		09/26/25 15:00	SW1664A
ASTM TS	441		1	1.00	5.00	mg/L		09/26/25 10:30	SM 2540 B-20

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits



QC RESULT SUMMARY



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

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137322

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.00	7	100	90-110	09/26/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	09/26/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	09/26/2025
Sample ID: Corrosivity	CCV3	pH	2.01	2.00	101	90-110	09/26/2025

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137323

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	09/26/2025
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	09/26/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	09/26/2025

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137332

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.095	0.099	96	85-115	09/26/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	09/26/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.23	0.25	92	90-110	09/26/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	09/26/2025
Sample ID: CCV4 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	09/26/2025
Sample ID: CCV5 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	09/26/2025

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137347

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 ASTM Ammonia	mg/L	0.96	1	96	90-110	09/29/2025
Sample ID: CCV1 ASTM Ammonia	mg/L	1	1	100	90-110	09/29/2025
Sample ID: CCV2 ASTM Ammonia	mg/L	1	1	100	90-110	09/29/2025

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137350

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
ASTM COD	mg/L	50.173	50	100	95-105	09/08/2025
Sample ID: CCV1						
ASTM COD	mg/L	49.161	50	98	95-105	09/29/2025
Sample ID: CCV2						
ASTM COD	mg/L	49.161	50	98	95-105	09/29/2025

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137350

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137332

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	09/26/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	09/26/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	09/26/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	09/26/2025
Sample ID: CCB4 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	09/26/2025
Sample ID: CCB5 Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	09/26/2025

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137347

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/29/2025
Sample ID: CCB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/29/2025
Sample ID: CCB2 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/29/2025

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137350

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB ASTM COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB1 ASTM COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/29/2025
Sample ID: CCB2 ASTM COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/29/2025

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB137350

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137309BL TS	%	< 2.5000	2.5000	U	1	5	09/25/2025
Sample ID: LB137310BL TVS	%	< 5.0000	5.0000	U	1	10	09/25/2025
Sample ID: LB137336BL ASTM TS	mg/L	2	2.5000	J	1	5	09/26/2025
Sample ID: LB137345BL ASTM Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	09/26/2025
Sample ID: LB137350BL ASTM COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	09/29/2025
Sample ID: LB137361BL Oil and Grease	mg/Kg	< 12.5000	12.5000	U	5.8	25	09/29/2025
Sample ID: PB169853BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	09/26/2025
Sample ID: PB169854BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	09/26/2025
Sample ID: PB169877BL ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.03	0.1	09/29/2025
Sample ID: PB169877TB ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.03	0.1	09/29/2025

Matrix Spike Summary

Client:	ENTACT	SDG No.:	Q3181
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	Q3181-04
Client ID:	WC-A3-01-CMS	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
ASTM COD	mg/L	75-125	103		64.3		50.0	1	77		09/29/2025
ASTM Ammonia	mg/L	75-125	1.40		0.41		1	1	99		09/29/2025
ASTM Oil and Grease	mg/L	78-114	17.4		0.30	J	20.0	1	86		09/26/2025

Matrix Spike Summary

Client:	ENTACT	SDG No.:	Q3181
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	Q3181-04
Client ID:	WC-A3-01-CMSD	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
ASTM COD	mg/L	75-125	106		64.3		50.0	1	83		09/29/2025
ASTM Oil and Grease	mg/L	78-114	17.2		0.30	J	20.0	1	84		09/26/2025
ASTM Ammonia	mg/L	75-125	1.30		0.41		1	1	89		09/29/2025

Duplicate Sample Summary

Client: ENTACT	SDG No.: Q3181
Project: 540 Degraw St, Brooklyn, NY - E9309	Sample ID: LB137361BS
Client ID: LB137361BSD	Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	89.9		94.8		1	5.35		09/29/2025

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	Q3181
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	Q3167-01
Client ID:	RT4784DUP	Percent Solids for Spike Sample:	87.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		09/25/2025

Duplicate Sample Summary

Client: ENTACT Project: 540 Degraw St, Brooklyn, NY - E9309 Client ID: RT4784DUP	SDG No.: Q3181 Sample ID: Q3167-02 Percent Solids for Spike Sample: 100
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0083	U	1	0		09/26/2025
Reactive Sulfide	mg/Kg	+/-20	4.78	J	4.76	J	1	0.42		09/26/2025

Duplicate Sample Summary

Client: ENTACT Project: 540 Degraw St, Brooklyn, NY - E9309 Client ID: WC-A3-01-CDUP	SDG No.: Q3181 Sample ID: Q3181-02 Percent Solids for Spike Sample: 100
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	11.2		11.3		1	0.18		09/26/2025
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		09/26/2025

Duplicate Sample Summary

Client: ENTACT Project: 540 Degraw St, Brooklyn, NY - E9309 Client ID: WC-A3-01-CDUP	SDG No.: Q3181 Sample ID: Q3181-03 Percent Solids for Spike Sample: 100
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	11.2		11.3		1	0.18		09/26/2025

Duplicate Sample Summary

Client: ENTACT Project: 540 Degraw St, Brooklyn, NY - E9309 Client ID: WC-A3-01-CDUP	SDG No.: Q3181 Sample ID: Q3181-04 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
ASTM TS	mg/L	+/-5	445		443		1	0.45		09/26/2025
ASTM Oil and Grease	mg/L	+/-18	0.30	J	0.30	J	1	0		09/26/2025
ASTM Ammonia	mg/L	+/-20	0.41		0.40		1	2		09/29/2025
ASTM COD	mg/L	+/-20	64.3		63.3		1	1.57		09/29/2025

Duplicate Sample Summary

Client: ENTACT	SDG No.: Q3181
Project: 540 Degraw St, Brooklyn, NY - E9309	Sample ID: Q3181-04
Client ID: WC-A3-01-CMSD	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
ASTM Oil and Grease	mg/L	+/-18	17.4		17.2		1	1.16		09/26/2025
ASTM Ammonia	mg/L	+/-20	1.40		1.30		1	7		09/29/2025
ASTM COD	mg/L	+/-20	103		106		1	2.87		09/29/2025

Duplicate Sample Summary

Client: ENTACT	SDG No.: Q3181
Project: 540 Degraw St, Brooklyn, NY - E9309	Sample ID: Q3181-10
Client ID: WC-A3-03-CDUP	Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TS	%	+/-5	79.9		79.5		1	0.5		09/25/2025
TVS	%	+/-5	4.20	J	4.10	J	1	2.41		09/25/2025
Oil and Grease	mg/Kg	+/-20	38.7		32.3	J	1	18.14		09/29/2025

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	Q3181
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	Q3208-12
Client ID:	SU-ESM-COMP-02DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.71		8.72		1	0.11		09/26/2025

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB137345

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137345BS							
ASTM Oil and Grease	mg/L	20.0	17.1		86	1	78-114	09/26/2025

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB137350

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137350BS							
ASTM COD	mg/L	50	52.2		104	1	90-110	09/29/2025

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB137361

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137361BS							
Oil and Grease	mg/Kg	100	89.9		90	1	80-120	09/29/2025

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB137361

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137361BSD							
Oil and Grease	mg/Kg	100	94.8		95	1	80-120	09/29/2025

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: Q3181

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB137347

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169877BS							
ASTM Ammonia	mg/L	1	0.99		99	1	90-110	09/29/2025



RAW DATA

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona

ANALYST: JIGNESH

Date: 09/25/2025

Run Number: LB137309

BalanceID: WC SC-5

OvenID: WC OVEN-1

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 09/25/2025 11:00 TEMP1 OUT: 103 °C 09/25/2025 12:00
 TEMP2 IN: 104 °C 09/25/2025 12:30 TEMP2 OUT: 103 °C 09/25/2025 13:30
 TEMP3 IN: 104 °C 09/25/2025 15:30 TEMP3 OUT: 103 °C 09/26/2025 07:00
 TEMP4 IN: 104 °C 09/26/2025 07:30 TEMP4 OUT: 104 °C 09/26/2025 09:00

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Dish + Sample Weight (g)	Original weight 1st Dish+Sample weight after Drying @103-@105°C (g)	Constant weight 2nd Dish+Sample weight after Drying @103-@105°C (g)	Final Constant weight Final Dish+Sample weight after Drying @103-@105°C (g)	Weight (g)	Result %
1	LB137309BL	LB137309BL	50.5691	50.5691	50.5691	50.5691	50.5691	50.5691	0.0000	0
2	Q3181-02	WC-A3-01-C	53.5695	53.5695	86.8099	80.1496	80.1496	80.1496	26.5801	80
3	Q3181-06	WC-A3-02-C	88.4201	88.4201	122.1252	114.7537	114.7537	114.7537	26.3336	78.1
4	Q3181-10	WC-A3-03-C	82.3642	82.3642	116.1632	109.3659	109.3659	109.3659	27.0017	79.9
5	Q3181-10DUP	WC-A3-03-CDUP	78.4189	78.4189	102.8693	97.8597	97.8597	97.8597	19.4408	79.5

A = Final Empty Dish Weight (g)

B = Dish + Sample Weight (g)

C = Final Dish+Sample weight after Drying @103-@105°C (g)

$$\text{Result \%} = (C - A) * 100 / (B - A)$$

WORKLIST(Hardcopy Internal Chain)

VR 137309

WorkList Name : TS S Q3181 WorkList ID : 192084 Department : Wet-Chemistry Date : 09-25-2025 12:12:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-02	WC-A3-01-C	Solid	TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B
Q3181-06	WC-A3-02-C	Solid	TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B
Q3181-10	WC-A3-03-C	Solid	TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B

Date/Time 09/25/25 13:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 09/25/25 16:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

TOTAL VOLATILE SOLIDS 160.4

TEMP1 IN: 104 °C 09/25/2025 15:30 **TEMP1 OUT:** 103 °C 09/26/2025 07:00
TEMP2 IN: 104 °C 09/26/2025 07:30 **TEMP2 OUT:** 104 °C 09/26/2025 09:00
TEMP3 IN: 550 °C 09/26/2025 09:30 **TEMP3 OUT:** 550 °C 09/26/2025 11:00
TEMP4 IN: 540 °C 09/26/2025 11:30 **TEMP4 OUT:** 540 °C 09/26/2025 13:00

Run Number: LB137310

SUPERVISOR: Iwona

ANALYST: JIGNESH

BalanceID: WC SC-5

OvenID: WC OVEN-1

Dish #	Lab ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Empty Dish + Sample Weight (g)	1st Dish + SampleWt Drying @103-@105°C (g)	Final Dish + SampleWt Drying @103-@105°C (g)	Dish + Samplewt Drying @550 (±50) °C (g)	Final Dish + Samplewt Drying @550 (±50) °C (g)	Weight Diff (g)	Result (%)
1	LB137310BL	50.5691	50.5691	50.5691	50.5691	50.5691	50.5691	50.5691	0.0000	0
2	Q3181-02	53.5695	53.5695	86.8099	80.1496	80.1496	79.1816	79.1816	0.9680	3.6
3	Q3181-06	88.4201	88.4201	122.1252	114.1252	114.1252	113.7840	113.7840	0.3412	1.3
4	Q3181-10	82.3642	82.3642	116.1632	109.3659	109.3659	108.2390	108.2390	1.1269	4.2
5	Q3181-10DUP	78.4189	78.4189	102.8693	97.8597	97.8597	97.0689	97.0689	0.7908	4.1

A = Sample Weight (g)
B = Final Dish + Samplewt Drying @550 (±50) °C (g)
C = Final Dish + SampleWt Drying @103-@105 °C (g)
D = Weight (g)
E = Final Empty Dish Weight (g)
F = Final Dish + SampleWt Drying @103-@105 °C (g)

Weight D = C - B

Result % = $\frac{D}{F - E} \star 100$

17131310

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TVS Q3181 WorkList ID : 192085 Department : Wet-Chemistry Date : 09-25-2025 12:13:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-02	WC-A3-01-C	Solid	TVS	Cool 4 deg C	ENTA05	J33	09/24/2025	160.4
Q3181-06	WC-A3-02-C	Solid	TVS	Cool 4 deg C	ENTA05	J33	09/24/2025	160.4
Q3181-10	WC-A3-03-C	Solid	TVS	Cool 4 deg C	ENTA05	J33	09/24/2025	160.4

Date/Time 09/25/25 13:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 09/25/25 16:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Analytical Summary Report

Analysis Method: 9045D

Analyst By : JIGNESH

Parameter: Corrosivity

Supervisor Review By : Iwona

Run Number: LB137322

Slope : 98.6

BalanceID: WC SC-7

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3178
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER,COLOR CD 475ML	W3191
buffer solution pH 7 yellow	W3217
Buffer Solution, PH2 (500ml)	W3161
pH 12.00 Buffer	W3200

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.05].

True Value of CCV2 = 12.00 Control Limits[+/- 0.05].

True Value of CCV3 = 2.00 Control Limits[+/- 0.05].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.3	4.01	09/26/2025	08:00
2	CAL2	1	Water	NA	NA	20.3	7.01	09/26/2025	08:11
3	CAL3	1	Water	NA	NA	20.3	10.02	09/26/2025	08:15
4	ICV	1	Water	NA	NA	20.3	7.00	09/26/2025	08:22
5	CCV1	1	Water	NA	NA	20.3	2.01	09/26/2025	08:30
6	Q3181-03	1	Solid	20.02	20	24.5	11.24	09/26/2025	08:40
7	Q3181-03DUP	1	Solid	20.03	20	24.6	11.26	09/26/2025	08:45
8	Q3181-07	1	Solid	20.02	20	24.1	11.39	09/26/2025	08:55
9	Q3181-11	1	Solid	20.04	20	24.7	11.74	09/26/2025	09:00
10	Q3196-01	1	Solid	20.02	20	25.1	7.44	09/26/2025	09:10
11	Q3196-02	1	Solid	20.03	20	25.5	7.04	09/26/2025	09:15
12	Q3196-03	1	Solid	20.04	20	25.6	6.45	09/26/2025	09:20
13	Q3196-04	1	Solid	20.03	20	25.1	6.42	09/26/2025	09:33
14	Q3196-05	1	Solid	20.04	20	24.5	6.43	09/26/2025	09:37
15	Q3199-01	1	Solid	20.03	20	24.9	5.25	09/26/2025	09:45
16	CCV2	1	Water	NA	NA	20.3	12.02	09/26/2025	09:55
17	Q3199-02	1	Solid	20.02	20	23.7	5.51	09/26/2025	10:00
18	Q3199-03	1	Solid	20.03	20	24.5	5.60	09/26/2025	10:11
19	Q3199-04	1	Solid	20.02	20	23.7	5.99	09/26/2025	10:15
20	Q3199-05	1	Solid	20.03	20	23.6	6.09	09/26/2025	10:30

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	An
21	Q3199-06	1	Solid	20.02	20	24.0	8.68	09/26/2025	10:40
22	Q3199-07	1	Solid	20.03	20	24.1	6.31	09/26/2025	11:00
23	Q3208-06	1	Solid	20.02	20	22.7	9.62	09/26/2025	11:15
24	Q3208-12	1	Solid	20.03	20	24.3	8.71	09/26/2025	11:25
25	Q3208-12DUP	1	Solid	20.04	20	24.5	8.72	09/26/2025	11:30
26	CCV3	1	Water	NA	NA	20.3	2.01	09/26/2025	11:33

WORKLIST(Hardcopy Internal Chain)

WB 131322

WorkList Name : corosivity q3181

WorkList ID : 192105

Department : Wet-Chemistry

Date : 09-26-2025 07:47:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-03	WC-A3-01-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D
Q3181-07	WC-A3-02-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D
Q3181-11	WC-A3-03-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D
Q3196-01	FMC-9-24-25-1	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3196-02	FMC-9-24-25-2	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3196-03	FMC-9-24-25-3	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3196-04	FMC-9-24-25-4	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3196-05	FMC-9-24-25-5	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-01	ELZ-25-000117	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-02	ELZ-25-000098	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-03	ELZ-25-000111	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-04	ELZ-25-000110	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-05	ELZ-25-000124	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-06	ELZ-25-000125	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3199-07	ELZ-25-000097	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3208-06	SU-ESM-COMP-01	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/24/2025	9045D
Q3208-12	SU-ESM-COMP-02	Solid	Corrosivity	Cool 4 deg C	PSEG03	D31	09/25/2025	9045D

Date/Time 09/26/25 07:55
Raw Sample Received by: SP CORC
Raw Sample Relinquished by: CRZ

Date/Time 09/26/25 13:00
Raw Sample Received by: CRZ
Raw Sample Relinquished by: SP CORC

Analytical Summary Report

Analysis Method: 9045D

Analyst By : JIGNESH

Parameter: pH

Supervisor Review By : Iwona

Run Number: LB137323

Slope : 98.6

BalanceID: WC SC-7

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3178
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER, COLOR CD 475ML	W3191
buffer solution pH 7 yellow	W3217
Buffer Solution, PH2 (500ml)	W3161
pH 12.00 Buffer	W3200

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.05].

True Value of CCV2 = 12.00 Control Limits[+/- 0.05].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.2	4.01	09/26/2025	08:00
2	CAL2	1	Water	NA	NA	20.3	7.01	09/26/2025	08:11
3	CAL3	1	Water	NA	NA	20.3	10.02	09/26/2025	08:15
4	ICV	1	Water	NA	NA	20.3	7.00	09/26/2025	08:22
5	CCV1	1	Water	NA	NA	20.3	2.01	09/26/2025	08:30
6	Q3181-02	1	Solid	20.02	20	24.5	11.24	09/26/2025	08:40
7	Q3181-02DUP	1	Solid	20.03	20	24.6	11.26	09/26/2025	08:45
8	Q3181-06	1	Solid	20.02	20	24.1	11.39	09/26/2025	08:55
9	Q3181-10	1	Solid	20.04	20	24.7	11.74	09/26/2025	09:00
10	CCV2	1	Water	NA	NA	20.2	12.02	09/26/2025	09:05

WORKLIST(Hardcopy Internal Chain)

VP 1371323

WorkList Name : ph s q3181 WorkList ID : 192104 Department : Wet-Chemistry Date : 09-26-2025 07:46:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-02	WC-A3-01-C	Solid	pH	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D
Q3181-06	WC-A3-02-C	Solid	pH	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D
Q3181-10	WC-A3-03-C	Solid	pH	Cool 4 deg C	ENTA05	J33	09/24/2025	9045D

Date/Time 09/26/25 07:55
Raw Sample Received by: SP WC/
Raw Sample Relinquished by: AR S

Date/Time 09/26/25 13:00
Raw Sample Received by: CR S
Raw Sample Relinquished by: SP WC/

Analytical Summary Report

Analysis Method: 1030
Parameter: Ignitability
Run Number: LB137329

Reviewed By: rubina

Supervisor Review By: Iwona

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	Q3167-01	RT4784	1	Solid	NO	0.00	09/25/2025	11:25
2	Q3167-01DUP	RT4784DUP	1	Solid	NO	0.00	09/25/2025	11:32
3	Q3167-02	RT4784	1	Solid	NO	0.00	09/25/2025	11:39
4	Q3168-04	ARS20-0010-Oily Soil	1	Solid	NO	0.00	09/25/2025	11:46
5	Q3181-03	WC-A3-01-C	1	Solid	NO	0.00	09/25/2025	11:54
6	Q3181-07	WC-A3-02-C	1	Solid	NO	0.00	09/25/2025	12:02
7	Q3181-11	WC-A3-03-C	1	Solid	NO	0.00	09/25/2025	12:10
8	Q3183-01	WC-1	1	Solid	NO	0.00	09/25/2025	12:17
9	Q3183-04	WC-4	1	Solid	NO	0.00	09/25/2025	12:25
10	Q3183-07	WC-3	1	Solid	NO	0.00	09/25/2025	12:32
11	Q3183-10	WC-1	1	Solid	NO	0.00	09/25/2025	12:40
12	Q3183-11	WC-4	1	Solid	NO	0.00	09/25/2025	12:47
13	Q3183-12	WC-3	1	Solid	NO	0.00	09/25/2025	12:55

Burning Rate = $\frac{\text{Length (mm)}}{\text{Total Time (sec)}}$

WORKLIST(Hardcopy Internal Chain)

6137329

WorkList Name : ign-09-25 WorkList ID : 192089 Department : Wet-Chemistry Date : 09-25-2025 10:02:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3167-01	RT4784	Solid	Ignitability	Cool 4 deg C	PSEG03	J41	09/23/2025	1030
Q3167-02	RT4784	Solid	Ignitability	Cool 4 deg C	PSEG03	J41	09/23/2025	1030
Q3168-04	ARS20-0010-Oily Soil-Sludge	Solid	Ignitability	Cool 4 deg C	PSEG03	J11	09/23/2025	1030
Q3181-03	WC-A3-01-C	Solid	Ignitability	Cool 4 deg C	ENTA05	J33	09/24/2025	1030
Q3181-07	WC-A3-02-C	Solid	Ignitability	Cool 4 deg C	ENTA05	J33	09/24/2025	1030
Q3181-11	WC-A3-03-C	Solid	Ignitability	Cool 4 deg C	ENTA05	J33	09/24/2025	1030
Q3183-01	WC-1	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030
Q3183-04	WC-4	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030
Q3183-07	WC-3	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030
Q3183-10	WC-1	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030
Q3183-11	WC-4	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030
Q3183-12	WC-3	Solid	Ignitability	Cool 4 deg C	PSEG03	J32	09/24/2025	1030

Date/Time 09/25/2025 11:00
Raw Sample Received by: RM CWS
Raw Sample Relinquished by: RM CWS

Date/Time 09/25/2025 16:00
Raw Sample Received by: RM CWS
Raw Sample Relinquished by: RM CWS

Analytical Summary Report

Analysis Method: 9095B

Parameter: Paint Filter

Run Number: LB137330

Reviewed By: Iwona

Supervisor Review By: JIGNESH

BalanceID: WC SC-7

Seq	LabID	ClientID	Dilution	Weight(g)	Inst. Conc (ml/100g)	Anal Date	Anal Time
1	Q3181-02	WC-A3-01-C	1	100.09	0.00	09/26/2025	09:20
2	Q3181-02DUP	WC-A3-01-CDUP	1	100.02	0.00	09/26/2025	09:28
3	Q3181-06	WC-A3-02-C	1	100.05	0.00	09/26/2025	09:35
4	Q3181-10	WC-A3-03-C	1	100.04	0.00	09/26/2025	09:42
5	Q3183-01	WC-1	1	100.05	0.00	09/26/2025	09:50
6	Q3183-04	WC-4	1	100.01	0.00	09/26/2025	09:58
7	Q3183-07	WC-3	1	100.04	0.00	09/26/2025	10:05
8	Q3200-01	ETGI-367	1	100.04	0.00	09/26/2025	10:13
9	Q3206-01	TR-06-092525	1	100.07	0.00	09/26/2025	10:20
10	Q3208-01	SU-ESM-COMP-01	1	100.05	0.00	09/26/2025	10:28
11	Q3208-07	SU-ESM-COMP-02	1	100.05	0.00	09/26/2025	10:35
12	Q3209-01	PL-02-092525	1	100.04	0.00	09/26/2025	10:43
13	Q3210-01	SG-1	1	100.06	0.00	09/26/2025	10:50
14	Q3212-01	EO-03-092525	1	100.01	0.00	09/26/2025	10:58

WORKLIST(Hardcopy Internal Chain)

6137330

WorkList Name : pf-09-25

WorkList ID : 192090

Department : Wet-Chemistry

Date : 09-25-2025 13:32:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3183-01	WC-1	Solid	Paint Filter	Cool 4 deg C	PSEG03	J32	09/24/2025	9095B
Q3183-04	WC-4	Solid	Paint Filter	Cool 4 deg C	PSEG03	J32	09/24/2025	9095B
Q3183-07	WC-3	Solid	Paint Filter	Cool 4 deg C	PSEG03	J32	09/24/2025	9095B
Q3200-01	ETGI-367	Solid	Paint Filter	Cool 4 deg C	PSEG03	D31	09/24/2025	9095B
Q3208-01	SU-ESM-COMP-01	Solid	Paint Filter	Cool 4 deg C	PSEG03	D31	09/25/2025	9095B
Q3208-07	SU-ESM-COMP-02	Solid	Paint Filter	Cool 4 deg C	PSEG03	D31	09/25/2025	9095B
Q3210-01	SG-1	Solid	Paint Filter	Cool 4 deg C	PSEG03	D31	09/25/2025	9095B
Q3206-01	TR-06-092525	Solid	Paint Filter	Cool 4 deg C	PSEG05	D31	09/25/2025	9095B
Q3209-01	PL-02-092525	Solid	Paint Filter	Cool 4 deg C	PSEG05	D31	09/25/2025	9095B
Q3212-01	EO-03-092525	Solid	Paint Filter	Cool 4 deg C	PSEG05	D31	09/25/2025	9095B
Q3181-02	WC-A3-01-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	J33	09/24/2025	9095B
Q3181-06	WC-A3-02-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	J33	09/24/2025	9095B
Q3181-10	WC-A3-03-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	J33	09/24/2025	9095B

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/26/25 09:10

12/20

12/20

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/26/25 11:15

12/20

12/20

LB1373

Test results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/26/2025 11:55

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	95.235	0.0	0.085	
ICB1	0.429	0.0	0.001	
CCV1	240.866	0.0	0.214	
CCB1	0.365	0.0	0.001	
PB169853BL	0.224	0.0	0.001	
Q3167-02	0.153	0.0	0.001	
Q3167-02DUP	0.176	0.0	0.001	
Q3168-04	0.228	0.0	0.001	
Q3170-02	0.086	0.0	0.001	
Q3181-03	0.337	0.0	0.001	
Q3181-07	0.202	0.0	0.001	
Q3181-11	0.101	0.0	0.001	
Q3183-10	0.198	0.0	0.001	
Q3183-11	0.232	0.0	0.001	
CCV2	233.619	0.0	0.207	
CCB2	0.248	0.0	0.001	
Q3183-12	0.296	0.0	0.001	
Q3188-05	0.307	0.0	0.001	
Q3191-01	0.316	0.0	0.001	
Q3196-01	0.237	0.0	0.001	
Q3196-02	0.447	0.0	0.001	
Q3196-03	0.182	0.0	0.001	
Q3196-04	0.209	0.0	0.001	
Q3196-05	0.154	0.0	0.001	
PB169852BL	0.292	0.0	0.001	
Q3199-01	0.290	0.0	0.001	
CCV3	236.558	0.0	0.210	
CCB3	0.174	0.0	0.001	
Q3199-01DUP	0.216	0.0	0.001	
Q3199-02	0.389	0.0	0.001	
Q3199-03	0.358	0.0	0.001	
Q3199-04	0.394	0.0	0.001	
Q3199-05	0.273	0.0	0.001	
Q3199-06	0.287	0.0	0.001	
Q3199-07	0.441	0.0	0.001	
Q3208-06	0.441	0.0	0.001	
Q3208-12	0.278	0.0	0.001	
PB169851BL	0.621	0.0	0.001	
CCV4	239.842	0.0	0.213	
CCB4	0.526	0.0	0.001	
Q3168-05	1.445	0.0	0.002	
Q3168-05DUP	1.120	0.0	0.001	
Q3168-06	0.326	0.0	0.001	
Q3196-06	0.071	0.0	0.000	
Q3196-07	0.379	0.0	0.001	
Q3196-09	0.467	0.0	0.001	
Q3199-09	0.384	0.0	0.001	
CCV5	242.640	0.0	0.215	
CCB5	1.076	0.0	0.001	

LB137

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Test results Aquakem 7.2AQ1 Page: 2

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RH Instrument ID : Konelab

9/26/2025 11:55

Test: Total CN

Sample Id Result Dil. 1 + Response $\hat{\sigma}_{\square}$,,

N	49
Mean	26.615
SD	73.5018
CV%	276.17

Aquakem v. 7.2AQ1

Results from time period:

Fri Sep 26 10:05:36 2025

Fri Sep 26 11:49:22 2025

Sample Id	Sam/Ctr/c#	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	0.5068	µg/l	9/26/2025 10:05:36	
5.0PPBCN	A	Total CN	P	5.2542	µg/l	9/26/2025 10:05:37	
10PPBCN	A	Total CN	P	9.8363	µg/l	9/26/2025 10:05:38	
50PPBCN	A	Total CN	P	48.4484	µg/l	9/26/2025 10:05:39	
100PPBCN	A	Total CN	P	100.9535	µg/l	9/26/2025 10:05:40	
250PPBCN	A	Total CN	P	250.0712	µg/l	9/26/2025 10:05:41	
500PPBCN	A	Total CN	P	499.9296	µg/l	9/26/2025 10:05:42	
ICV1	S	Total CN	P	95.2346	µg/l	9/26/2025 11:03:46	
ICB1	S	Total CN	P	0.429	µg/l	9/26/2025 11:03:47	
CCV1	S	Total CN	P	240.8657	µg/l	9/26/2025 11:03:50	
CCB1	S	Total CN	P	0.3649	µg/l	9/26/2025 11:03:52	
PB169853BL	S	Total CN	P	0.2244	µg/l	9/26/2025 11:03:53	
Q3167-02	S	Total CN	P	0.1533	µg/l	9/26/2025 11:03:55	
Q3167-02DUP	S	Total CN	P	0.1758	µg/l	9/26/2025 11:11:22	
Q3168-04	S	Total CN	P	0.2277	µg/l	9/26/2025 11:11:23	
Q3170-02	S	Total CN	P	0.086	µg/l	9/26/2025 11:11:24	
Q3181-03	S	Total CN	P	0.3366	µg/l	9/26/2025 11:11:25	
Q3181-07	S	Total CN	P	0.2022	µg/l	9/26/2025 11:11:26	
Q3181-11	S	Total CN	P	0.1008	µg/l	9/26/2025 11:11:27	
Q3183-10	S	Total CN	P	0.1975	µg/l	9/26/2025 11:11:28	
Q3183-11	S	Total CN	P	0.2322	µg/l	9/26/2025 11:11:29	
CCV2	S	Total CN	P	233.6189	µg/l	9/26/2025 11:18:58	
CCB2	S	Total CN	P	0.2485	µg/l	9/26/2025 11:18:59	
Q3183-12	S	Total CN	P	0.2957	µg/l	9/26/2025 11:19:01	
Q3188-05	S	Total CN	P	0.3071	µg/l	9/26/2025 11:19:02	
Q3191-01	S	Total CN	P	0.3163	µg/l	9/26/2025 11:19:03	
Q3196-01	S	Total CN	P	0.2367	µg/l	9/26/2025 11:19:04	
Q3196-02	S	Total CN	P	0.4469	µg/l	9/26/2025 11:19:05	
Q3196-03	S	Total CN	P	0.1817	µg/l	9/26/2025 11:26:30	
Q3196-04	S	Total CN	P	0.2089	µg/l	9/26/2025 11:26:31	
Q3196-05	S	Total CN	P	0.1544	µg/l	9/26/2025 11:26:32	
PB169852BL	S	Total CN	P	0.2917	µg/l	9/26/2025 11:26:33	
Q3199-01	S	Total CN	P	0.2898	µg/l	9/26/2025 11:26:37	
CCV3	S	Total CN	P	236.5582	µg/l	9/26/2025 11:26:39	
CCB3	S	Total CN	P	0.1742	µg/l	9/26/2025 11:34:06	
Q3199-01DUP	S	Total CN	P	0.2158	µg/l	9/26/2025 11:34:07	
Q3199-02	S	Total CN	P	0.3891	µg/l	9/26/2025 11:34:08	
Q3199-03	S	Total CN	P	0.3578	µg/l	9/26/2025 11:34:09	
Q3199-04	S	Total CN	P	0.394	µg/l	9/26/2025 11:34:10	

Q3199-05	S	Total CN	P	0.2731 µg/l	9/26/2025 11:34:11
Q3199-06	S	Total CN	P	0.287 µg/l	9/26/2025 11:34:12
Q3199-07	S	Total CN	P	0.4408 µg/l	9/26/2025 11:34:13
Q3208-06	S	Total CN	P	0.4412 µg/l	9/26/2025 11:34:14
Q3208-12	S	Total CN	P	0.2777 µg/l	9/26/2025 11:34:15
PB169851BL	S	Total CN	P	0.6207 µg/l	9/26/2025 11:41:37
CCV4	S	Total CN	P	239.8419 µg/l	9/26/2025 11:41:41
CCB4	S	Total CN	P	0.5256 µg/l	9/26/2025 11:41:43
Q3168-05	S	Total CN	P	1.4446 µg/l	9/26/2025 11:41:45
Q3168-05DUP	S	Total CN	P	1.1197 µg/l	9/26/2025 11:41:46
Q3168-06	S	Total CN	P	0.326 µg/l	9/26/2025 11:41:47
Q3196-06	S	Total CN	P	0.0714 µg/l	9/26/2025 11:49:12
Q3196-07	S	Total CN	P	0.379 µg/l	9/26/2025 11:49:13
Q3196-09	S	Total CN	P	0.4674 µg/l	9/26/2025 11:49:14
Q3199-09	S	Total CN	P	0.3845 µg/l	9/26/2025 11:49:15
CCV5	S	Total CN	P	242.6399 µg/l	9/26/2025 11:49:20
CCB5	S	Total CN	P	1.0762 µg/l	9/26/2025 11:49:22

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Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/26/2025 10:07

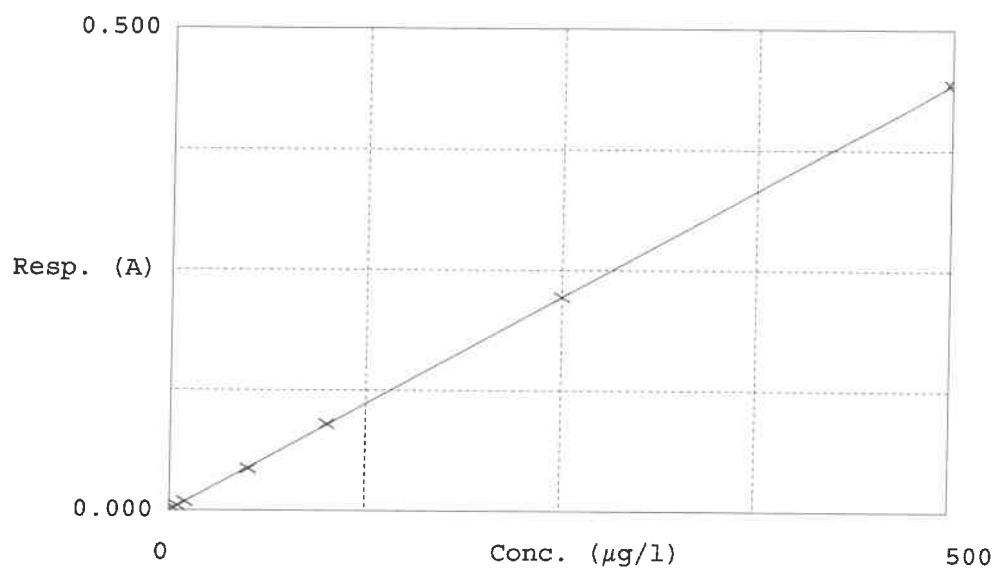
Test Total CN

Accepted 9/26/2025 10:07

Factor 1129
Bias 0

Coeff. of det. 0.999982

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	0.5068	0.0000	-
2	5.0PPBCN	0.005	5.2542	5.0000	5.1
3	10PPBCN	0.009	9.8363	10.0000	-1.6
4	50PPBCN	0.043	48.4484	50.0000	-3.1
5	100PPBCN	0.090	100.9535	100.0000	1.0
6	250PPBCN	0.222	250.0712	250.0000	0.0
7	500PPBCN	0.443	499.9296	500.0000	0.0

09/26/2025
RM

TOTAL SOLIDS - SM2540B

SUPERVISOR: Sohil

ANALYST: Iwona

Date: 09/26/2025

Run Number: LB137336

BalanceID: WC SC-6

OvenID: wc oven-1

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 09/26/2025 10:30 TEMP1 OUT: 103 °C 09/26/2025 11:30
 TEMP2 IN: 104 °C 09/26/2025 12:00 TEMP2 OUT: 104 °C 09/26/2025 13:00
 TEMP3 IN: 104 °C 09/26/2025 16:30 TEMP3 OUT: 104 °C 09/29/2025 09:20
 TEMP4 IN: 103 °C 09/29/2025 09:40 TEMP4 OUT: 104 °C 09/29/2025 11:10

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	Original weight 1st Dish+Sample weight after Drying @103-@105°C (g)	Constant weight 2nd Dish+Sample weight after Drying @103-@105°C (g)	Final Constant weight Final Dish+Sample weight after Drying @103-@105°C (g)	Weight (g)	Result (mg/L)
1	LB137336BL	LB137336BL	150.8477	150.8476	100	150.8477	150.8478	150.8478	0.0002	2
2	Q3181-04	WC-A3-01-C	152.1903	152.1904	100	152.2348	152.2349	152.2349	0.0445	445
3	Q3181-04DUP	WC-A3-01-CDUP	151.2627	151.2625	100	151.3069	151.3068	151.3068	0.0443	443
4	Q3181-08	WC-A3-02-C	151.2442	151.2443	100	151.2875	151.2874	151.2874	0.0431	431
5	Q3181-12	WC-A3-03-C	156.5946	156.5946	100	156.6389	156.6387	156.6387	0.0441	441

A = Sample Volume (ml)

B = Final Empty Dish Weight (g)

C = Final Dish+Sample weight after Drying @103-@105°C (g)

$$\text{Result mg/L} = ((C - B) / A) * 1000 * 1000$$

WORKLIST(Hardcopy Internal Chain)

137336

WorkList Name : aslm ts q3181

WorkList ID : 192127

Department : Wet-Chemistry

Date : 09-26-2025 13:24:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-04	WC-A3-01-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B
Q3181-08	WC-A3-02-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B
Q3181-12	WC-A3-03-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	J33	09/24/2025	SM2540 B

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/26/25 14:00

SP Case

SP Case

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/26/25 17:00

SP Case

SP Case

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: ASTM Oil and Grease
Run Number: LB137345
Analysis Date: 09/26/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: Iwona
REVIEWED BY: Sohil
Extraction Date: 09/26/2025
Extraction IN Time: 14:10
Extraction OUT Time: 14:50
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Weight (g)	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	LB137345BL	LB137345BL	WATER	2	1000	100	3.1054	3.1054	0	3.1055	3.1055	0.0001	0.1
2	LB137345BS	LB137345BS	WATER	2	1000	100	3.0474	3.0474	0	3.0645	3.0645	0.0171	17.1
3	Q3181-04	WC-A3-01-C	WATER	2	1000	100	2.9347	2.9347	0	2.9350	2.9350	0.0003	0.3
4	Q3181-04DUP	WC-A3-01-CDUP	WATER	2	1000	100	3.1147	3.1147	0	3.1150	3.1150	0.0003	0.3
5	Q3181-04MS	WC-A3-01-C	WATER	2	1000	100	3.1033	3.1033	0	3.1207	3.1207	0.0174	17.4
6	Q3181-04MSD	WC-A3-01-C	WATER	2	1000	100	2.9674	2.9674	0	2.9846	2.9846	0.0172	17.2
7	Q3181-08	WC-A3-02-C	WATER	2	1000	100	2.9224	2.9224	0	2.9228	2.9228	0.0004	0.4
8	Q3181-12	WC-A3-03-C	WATER	2	1000	100	3.0116	3.0116	0	3.0119	3.0119	0.0003	0.3

QC Batch# LB137345

Test: ASTM Oil and Grease

Analysis Date: 09/26/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3240
pH Paper 0-14	M6069
Sodium Sulfate	EP2629
1:1 HCL	WP114934
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP112783
LCSWD	NA	NA
MS/MSD	2.5 ML	WP112784

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 15:43

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 15:00

Bal Check Time: 14:15 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 16:15

Out Time1: 15:42

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 17:16

1.0000 gram Balance: 1.0002 (0.9950-1.0050) In Time2: 16:45

Bal Check Time: 17:47 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 17:45

Out Time2: 17:15

WORKLIST(Hardcopy Internal Chain)

137345 28
137335
WJ

WorkList Name : astm oil & grease q3181 WorkList ID : 192128 Department : Wet-Chemistry Date : 09-26-2025 13:25:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-04	WC-A3-01-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	1664A
Q3181-08	WC-A3-02-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	1664A
Q3181-12	WC-A3-03-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	1664A

Date/Time 09/26/25 14:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 09/26/25 18:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

LB 137347

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : 12

Instrument ID : Konelab

9/29/2025 14:30

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.962	0.0	0.202	
ICB1	0.014	0.0	0.023	
CCV1	0.998	0.0	0.209	
CCB1	0.016	0.0	0.024	
RL CHECK	0.096	0.0	0.039	
PB169877BL	0.015	0.0	0.023	
PB169877BS	0.988	0.0	0.207	
PB169977TB	0.016	0.0	0.024	
Q3181-04	0.406	0.0	0.097	
Q3181-04DUP	0.403	0.0	0.097	
Q3181-04MS	1.352	0.0	0.276	
Q3181-04MSD	1.327	0.0	0.271	
Q3181-08	1.007	0.0	0.211	
Q3181-12	0.791	0.0	0.170	
CCV2	1.032	0.0	0.216	
CCB2	0.012	0.0	0.023	

96% (50-150)
12 9/29/25

N 16
Mean 0.590
SD 0.5140
CV% 87.16

Aquakem v. 7.2AQ1

Results from time period:

Mon Sep 29 10:09:00 2025

Mon Sep 29 14:28:44 2025

Sample Id	Sam/Ctr/c	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-1 P		0.0242	mg/l	9/29/2025 10:09:00	
0.1PPM	A	Ammonia-1 P		0.1051	mg/l	9/29/2025 10:09:01	
0.2PPM	A	Ammonia-1 P		0.2056	mg/l	9/29/2025 10:09:02	
0.4PPM	A	Ammonia-1 P		0.3958	mg/l	9/29/2025 10:09:03	
1.0PPM	A	Ammonia-1 P		0.985	mg/l	9/29/2025 10:09:04	
1.3PPM	A	Ammonia-1 P		1.2639	mg/l	9/29/2025 10:09:05	
2.0PPM	A	Ammonia-1 P		2.0538	mg/l	9/29/2025 10:09:06	
ICV1	S	Ammonia-1 P		0.9623	mg/l	9/29/2025 12:38:03	
ICB1	S	Ammonia-1 P		0.0144	mg/l	9/29/2025 12:38:04	
CCV1	S	Ammonia-1 P		0.9985	mg/l	9/29/2025 12:38:07	
CCB1	S	Ammonia-1 P		0.0158	mg/l	9/29/2025 12:38:08	
RL CHECK	S	Ammonia-1 P		0.0965	mg/l	9/29/2025 12:38:12	
PB169877BL	S	Ammonia-1 P		0.0153	mg/l	9/29/2025 12:38:13	
PB169877BS	S	Ammonia-1 P		0.9876	mg/l	9/29/2025 12:48:45	
PB169977TB	S	Ammonia-1 P		0.016	mg/l	9/29/2025 12:48:48	
Q3181-04	S	Ammonia-1 P		0.4064	mg/l	9/29/2025 13:36:20	
Q3181-04DUP	S	Ammonia-1 P		0.4031	mg/l	9/29/2025 13:36:21	
Q3181-04MS	S	Ammonia-1 P		1.3521	mg/l	9/29/2025 13:36:22	
Q3181-04MSD	S	Ammonia-1 P		1.3268	mg/l	9/29/2025 13:36:23	
Q3181-08	S	Ammonia-1 P		1.0067	mg/l	9/29/2025 13:36:24	
Q3181-12	S	Ammonia-1 P		0.7909	mg/l	9/29/2025 13:36:25	
CCV2	S	Ammonia-1 P		1.0317	mg/l	9/29/2025 14:11:14	
CCB2	S	Ammonia-1 P		0.0122	mg/l	9/29/2025 14:28:43	

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
 284 Sheffield Street, Mountainside, NJ 07092

9/29/2025 11:28

Reviewed by : RM

Instrument ID : Konelab

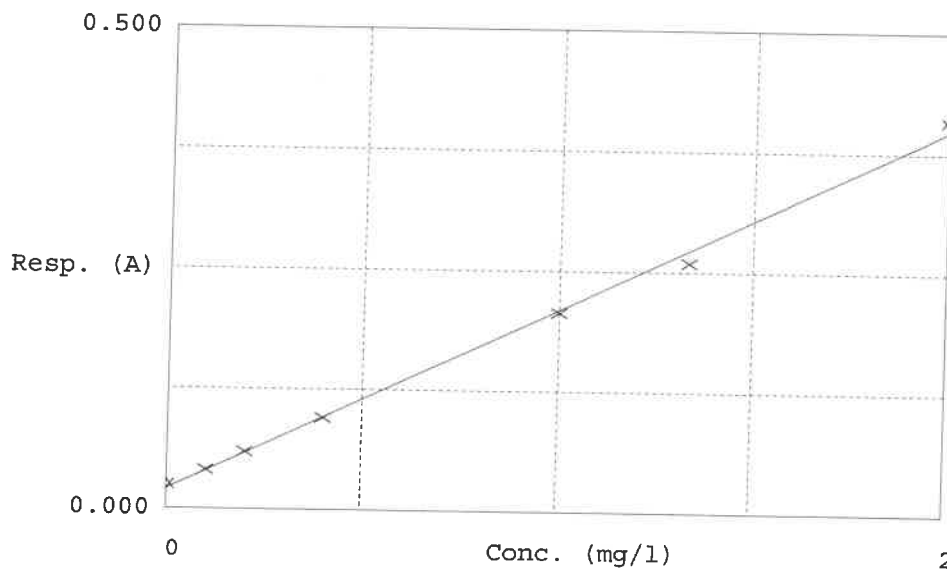
Test Ammonia-N

Accepted 9/29/2025 11:28

Factor 5.292
 Bias 0.021

Coeff. of det. 0.997451

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.025	0.0242	0.0000	—
2	NH3-2PPM	0.040	0.1051	0.1000	5.1
3	NH3-2PPM	0.059	0.2056	0.2000	2.8
4	NH3-2PPM	0.095	0.3958	0.4000	-1.1
5	NH3-2PPM	0.207	0.9850	1.0000	-1.5
6	NH3-2PPM	0.259	1.2639	1.3333	-2.8
7	NH3-2PPM	0.409	2.0538	2.0000	2.7

RM
 Errors
 9/29/25

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: ASTM COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB137350

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP114659
COD calibration std. 100 ppm	WP114658
COD calibration std. 50 ppm	WP114656
COD calibration std. 10 ppm	WP114655
COD calibration std. 0 ppm	WP114654
COD ICV-LCS std, 50ppm	WP114661
COD calibration std. 75 ppm	WP114657
COD Digestion Vials Low Level 0-150Mg/L	W3229
COD CCV std, 50ppm	WP114941
COD ICV-LCS std, 50ppm	WP114942
RL CHECK	WP114943

Temp In (C): 149	Date In: 09/29/2025	Time In: 10:15
Temp Out (C): 151	Date Out: 09/29/2025	Time Out: 11:15

Intercept: 0.3943

Slope: 0.9887

Regression: 0.9996

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.399		09/08/2025	13:30
2	CAL2	10	1	Water	9.000	8.704	-13	09/08/2025	13:30
3	CAL3	50	1	Water	51.000	51.184	2.4	09/08/2025	13:31
4	CAL4	75	1	Water	77.000	77.481	3.3	09/08/2025	13:31
5	CAL5	100	1	Water	98.000	98.721	-1.3	09/08/2025	13:32
6	CAL6	150	1	Water	148.000	149.293	-0.5	09/08/2025	13:32

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: ASTM COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB137350

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	50.000	50.173	09/08/2025	13:33
2	ICB		NA	NA	1	Water	1.000	0.613	09/08/2025	13:33
3	CCV1	50	NA	NA	1	Water	49.000	49.161	09/29/2025	12:45
4	CCB1		NA	NA	1	Water	1.000	0.613	09/29/2025	12:45
5	RL Check	10	NA	NA	1	Water	6.000	5.670	09/29/2025	12:46
6	LB137350BL		NA	NA	1	Water	0.000	-0.399	09/29/2025	12:46
7	LB137350BS	50	NA	NA	1	Water	52.000	52.196	09/29/2025	12:47
8	Q3181-04		NA	NA	1	Water	64.000	64.333	09/29/2025	12:47
9	Q3181-04DUP		NA	NA	1	Water	63.000	63.321	09/29/2025	12:48
10	Q3181-04MS	50	NA	NA	1	Water	102.000	102.767	09/29/2025	12:48
11	Q3181-04MSD	50	NA	NA	1	Water	105.000	105.801	09/29/2025	12:49
12	Q3181-08		NA	NA	1	Water	74.000	74.447	09/29/2025	12:49
13	Q3181-12		NA	NA	1	Water	51.000	51.184	09/29/2025	12:50
14	CCV2	50	NA	NA	1	Water	49.000	49.161	09/29/2025	12:50
15	CCB2		NA	NA	1	Water	1.000	0.613	09/29/2025	12:51

L13137350

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ASTM COD-092925 WorkList ID : 192141 Department : Wet-Chemistry Date : 09-29-2025 09:20:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-04	WC-A3-01-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	J33	09/24/2025	SM5220 D
Q3181-08	WC-A3-02-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	J33	09/24/2025	SM5220 D
Q3181-12	WC-A3-03-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	J33	09/24/2025	SM5220 D

Date/Time 09/29/25 09:30
Raw Sample Received by: 12600
Raw Sample Relinquished by: 20600

Date/Time NA
Raw Sample Received by: 1
Raw Sample Relinquished by: 1

Extraction and Analytical Summary Report

Analysis Method: 9071B
Test: Oil and Grease
Run Number: LB137361
Analysis Date: 09/29/2025
BalanceID: WC SC-5
OvenID: EXT OVEN-3

ANALYST: JIGNESH
REVIEWED BY: Iwona
Extraction Date: 09/29/2025
Extraction IN Time: 11:00
Extraction OUT Time: 11:30
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Weight (g)	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	LB137361BL	LB137361BL	SOLID		20.02	100	2.5631	2.5631	0	2.5632	2.5632	0.0001	5
2	LB137361BS	LB137361BS	SOLID		20.03	100	3.1471	3.1471	0	3.1489	3.1489	0.0018	89.87
3	LB137361BSD	LB137361BSD	SOLID		20.04	100	2.7403	2.7403	0	2.7422	2.7422	0.0019	94.81
4	Q3181-02	WC-A3-01-C	SOLID		20.02	100	3.0595	3.0595	0	3.0600	3.0600	0.0005	24.98
5	Q3181-06	WC-A3-02-C	SOLID		20.03	100	3.0237	3.0237	0	3.0242	3.0242	0.0005	24.96
6	Q3181-10	WC-A3-03-C	SOLID		20.04	100	3.0753	3.0753	0	3.0759	3.0759	0.0006	29.94
7	Q3181-10DUP	WC-A3-03-CDUP	SOLID		20.03	100	3.1104	3.1104	0	3.1109	3.1109	0.0005	24.96



Alliance
TECHNICAL GROUP

Test: Oil and Grease

Analysis Date: 09/29/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	NA
Sodium Sulfate	EP2646
1:1 HCL	N/A
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSS	1.00 ML	WP112785
LCSSD	1.00 ML	WP112786
MS/MSD	N/A	N/A

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 : 70 °C Dessicator Time In1 : 13:31

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 12:30

Bal Check Time: 11:10 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 14:10

Out Time1: 13:30

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 15:21

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 14:37

Bal Check Time: 16:01 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 16:00

Out Time2: 15:20

WB 137361

WORKLIST(Hardcopy Internal Chain)

WorkList Name : OIL & GREASE-092925

WorkList ID : 192151

Department : Wet-Chemistry

Date : 09-29-2025 10:30:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-02	WC-A3-01-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	9071B
Q3181-06	WC-A3-02-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	9071B
Q3181-10	WC-A3-03-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	J33	09/24/2025	9071B

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/24/25 10:45

18 WDC

OP sm

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/24/25

16:30

OP sm
OP WDC

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 09/25/2025 Time : 13:30 Temp : N/A

Matrix : SOIL

End Digest Date: 09/25/2025 Time : 15:00 Temp : N/A

Pipette ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature: 12

Standardized Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/25/2025 15:16	RM W9	RM W9
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169853BL	PBS853	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3167-02DUP	RT4784DUP	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3167-02	RT4784	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3168-04	ARS20-0010-OILY SOIL-SLUDGE	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3170-02	MOD-25-0271	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3181-03	WC-A3-01-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3181-07	WC-A3-02-C	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3181-11	WC-A3-03-C	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3183-10	WC-1	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3183-11	WC-4	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3183-12	WC-3	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3188-05	4135	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3191-01	459	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3196-01	FMC-9-24-25-1	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3196-02	FMC-9-24-25-2	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3196-03	FMC-9-24-25-3	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3196-04	FMC-9-24-25-4	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3196-05	FMC-9-24-25-5	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

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

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 09/29/2025 Time : 09:10 Temp : 150 °C

End Digest Date: 09/29/2025 Time : 10:10 Temp : 160 °C

11 batch
09/29/2025 10:35 150°C
09/29/2025 11:45 160°C

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: *RM*

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP114786
MS/MSD SPIKE SOL.	1.0ML	WP114785
RL CHECK	0.1ML	WP114785
PBS003	50.0ML	W3112
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113836
NAOH 6N	0.5-2.0ML	WP113887
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/29/2025 11:50	<i>RM WC</i>	<i>RM WC</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169877BL	PBW877	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169877BS	LCS877	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169877TB	LEB877	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-04DUP	WC-A3-01-CDUP	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-04MS	WC-A3-01-CMS	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-04MSD	WC-A3-01-CMSD	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-04	WC-A3-01-C	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-08	WC-A3-02-C	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3181-12	WC-A3-03-C	50	50	<2	N/A	N/A	Negative	AFTER ADDING 6N NAOH PH IS 9.5	N/A

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137309

Review By	JIGNESH	Review On	9/26/2025 1:12:53 PM
Supervise By	Iwona	Supervise On	9/26/2025 1:36:21 PM
SubDirectory	LB137309	Test	TS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137309BL	LB137309BL	MB	09/25/25 11:00		JIGNESH	OK
2	Q3181-02	WC-A3-01-C	SAM	09/25/25 11:00		JIGNESH	OK
3	Q3181-06	WC-A3-02-C	SAM	09/25/25 11:00		JIGNESH	OK
4	Q3181-10	WC-A3-03-C	SAM	09/25/25 11:00		JIGNESH	OK
5	Q3181-10DUP	WC-A3-03-CDUP	DUP	09/25/25 11:00		JIGNESH	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137310

Review By	JIGNESH	Review On	9/26/2025 1:22:25 PM
Supervise By	Iwona	Supervise On	9/26/2025 1:35:18 PM
SubDirectory	LB137310	Test	TVS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137310BL	LB137310BL	MB	09/25/25 15:30		JIGNESH	OK
2	Q3181-02	WC-A3-01-C	SAM	09/25/25 15:30		JIGNESH	OK
3	Q3181-06	WC-A3-02-C	SAM	09/25/25 15:30		JIGNESH	OK
4	Q3181-10	WC-A3-03-C	SAM	09/25/25 15:30		JIGNESH	OK
5	Q3181-10DUP	WC-A3-03-CDUP	DUP	09/25/25 15:30		JIGNESH	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137322

Review By	JIGNESH	Review On	9/26/2025 11:31:36 AM
Supervise By	Iwona	Supervise On	9/26/2025 1:39:05 PM
SubDirectory	LB137322	Test	Corrosivity
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	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/26/25 08:00		Jignesh	OK
2	CAL2	CAL2	CAL	09/26/25 08:11		Jignesh	OK
3	CAL3	CAL3	CAL	09/26/25 08:15		Jignesh	OK
4	ICV	ICV	ICV	09/26/25 08:22		Jignesh	OK
5	CCV1	CCV1	CCV	09/26/25 08:30		Jignesh	OK
6	Q3181-03	WC-A3-01-C	SAM	09/26/25 08:40		Jignesh	OK
7	Q3181-03DUP	WC-A3-01-CDUP	DUP	09/26/25 08:45		Jignesh	OK
8	Q3181-07	WC-A3-02-C	SAM	09/26/25 08:55		Jignesh	OK
9	Q3181-11	WC-A3-03-C	SAM	09/26/25 09:00		Jignesh	OK
10	Q3196-01	FMC-9-24-25-1	SAM	09/26/25 09:10		Jignesh	OK
11	Q3196-02	FMC-9-24-25-2	SAM	09/26/25 09:15		Jignesh	OK
12	Q3196-03	FMC-9-24-25-3	SAM	09/26/25 09:20		Jignesh	OK
13	Q3196-04	FMC-9-24-25-4	SAM	09/26/25 09:33		Jignesh	OK
14	Q3196-05	FMC-9-24-25-5	SAM	09/26/25 09:37		Jignesh	OK
15	Q3199-01	ELZ-25-000117	SAM	09/26/25 09:45		Jignesh	OK
16	CCV2	CCV2	CCV	09/26/25 09:55		Jignesh	OK
17	Q3199-02	ELZ-25-00098	SAM	09/26/25 10:00		Jignesh	OK
18	Q3199-03	ELZ-25-000111	SAM	09/26/25 10:11		Jignesh	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137322

Review By	JIGNESH	Review On	9/26/2025 11:31:36 AM
Supervise By	Iwona	Supervise On	9/26/2025 1:39:05 PM
SubDirectory	LB137322	Test	Corrosivity
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	W3178,W3093,W3191,W3217,W3161,W3200		

19	Q3199-04	ELZ-25-000110	SAM	09/26/25 10:15		Jignesh	OK
20	Q3199-05	ELZ-25-000124	SAM	09/26/25 10:30		Jignesh	OK
21	Q3199-06	ELZ-25-000125	SAM	09/26/25 10:40		Jignesh	OK
22	Q3199-07	ELZ-25-00097	SAM	09/26/25 11:00		Jignesh	OK
23	Q3208-06	SU-ESM-COMP-01	SAM	09/26/25 11:15		Jignesh	OK
24	Q3208-12	SU-ESM-COMP-02	SAM	09/26/25 11:25		Jignesh	OK
25	Q3208-12DUP	SU-ESM-COMP-02DUP	DUP	09/26/25 11:30		Jignesh	OK
26	CCV3	CCV3	CCV	09/26/25 11:33		Jignesh	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137323

Review By	JIGNESH	Review On	9/26/2025 11:37:28 AM
Supervise By	Iwona	Supervise On	9/26/2025 1:38:51 PM
SubDirectory	LB137323	Test	pH
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	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/26/25 08:00		Jignesh	OK
2	CAL2	CAL2	CAL	09/26/25 08:11		Jignesh	OK
3	CAL3	CAL3	CAL	09/26/25 08:15		Jignesh	OK
4	ICV	ICV	ICV	09/26/25 08:22		Jignesh	OK
5	CCV1	CCV1	CCV	09/26/25 08:30		Jignesh	OK
6	Q3181-02	WC-A3-01-C	SAM	09/26/25 08:40		Jignesh	OK
7	Q3181-02DUP	WC-A3-01-CDUP	DUP	09/26/25 08:45		Jignesh	OK
8	Q3181-06	WC-A3-02-C	SAM	09/26/25 08:55		Jignesh	OK
9	Q3181-10	WC-A3-03-C	SAM	09/26/25 09:00		Jignesh	OK
10	CCV2	CCV2	CCV	09/26/25 09:05		Jignesh	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB137329

Review By	rubina	Review On	9/26/2025 11:26:30 AM
Supervise By	Iwona	Supervise On	9/26/2025 11:26:43 AM
SubDirectory	LB137329	Test	Ignitability
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3167-01	RT4784	SAM	09/25/25 11:25		rubina	OK
2	Q3167-01DUP	RT4784DUP	DUP	09/25/25 11:32		rubina	OK
3	Q3167-02	RT4784	SAM	09/25/25 11:39		rubina	OK
4	Q3168-04	ARS20-0010-Oily Soil	SAM	09/25/25 11:46		rubina	OK
5	Q3181-03	WC-A3-01-C	SAM	09/25/25 11:54		rubina	OK
6	Q3181-07	WC-A3-02-C	SAM	09/25/25 12:02		rubina	OK
7	Q3181-11	WC-A3-03-C	SAM	09/25/25 12:10		rubina	OK
8	Q3183-01	WC-1	SAM	09/25/25 12:17		rubina	OK
9	Q3183-04	WC-4	SAM	09/25/25 12:25		rubina	OK
10	Q3183-07	WC-3	SAM	09/25/25 12:32		rubina	OK
11	Q3183-10	WC-1	SAM	09/25/25 12:40		rubina	OK
12	Q3183-11	WC-4	SAM	09/25/25 12:47		rubina	OK
13	Q3183-12	WC-3	SAM	09/25/25 12:55		rubina	OK

Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137330

Review By	Iwona	Review On	9/26/2025 11:22:35 AM
Supervise By	JIGNESH	Supervise On	9/26/2025 11:32:09 AM
SubDirectory	LB137330	Test	Paint Filter
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3181-02	WC-A3-01-C	SAM	09/26/25 09:20			OK
2	Q3181-02DUP	WC-A3-01-CDUP	DUP	09/26/25 09:28			OK
3	Q3181-06	WC-A3-02-C	SAM	09/26/25 09:35			OK
4	Q3181-10	WC-A3-03-C	SAM	09/26/25 09:42			OK
5	Q3183-01	WC-1	SAM	09/26/25 09:50			OK
6	Q3183-04	WC-4	SAM	09/26/25 09:58			OK
7	Q3183-07	WC-3	SAM	09/26/25 10:05			OK
8	Q3200-01	ETGI-367	SAM	09/26/25 10:13			OK
9	Q3206-01	TR-06-092525	SAM	09/26/25 10:20			OK
10	Q3208-01	SU-ESM-COMP-01	SAM	09/26/25 10:28			OK
11	Q3208-07	SU-ESM-COMP-02	SAM	09/26/25 10:35			OK
12	Q3209-01	PL-02-092525	SAM	09/26/25 10:43			OK
13	Q3210-01	SG-1	SAM	09/26/25 10:50			OK
14	Q3212-01	EO-03-092525	SAM	09/26/25 10:58			OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137332

Review By	rubina	Review On	9/29/2025 10:15:14 AM
Supervise By	Iwona	Supervise On	9/29/2025 10:57:03 AM
SubDirectory	LB137332	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP114922,WP114923,WP114924,WP114926,WP114927,WP114928,WP114929		
ICV Standard	WP114930		
CCV Standard	WP114923		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP114324,WP114931		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/26/25 10:05		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/26/25 10:05		rubina	OK
3	10PPBCN	10PPBCN	CAL3	09/26/25 10:05		rubina	OK
4	50PPBCN	50PPBCN	CAL4	09/26/25 10:05		rubina	OK
5	100PPBCN	100PPBCN	CAL5	09/26/25 10:05		rubina	OK
6	250PPBCN	250PPBCN	CAL6	09/26/25 10:05		rubina	OK
7	500PPBCN	500PPBCN	CAL7	09/26/25 10:05		rubina	OK
8	ICV1	ICV1	ICV	09/26/25 11:03		rubina	OK
9	ICB1	ICB1	ICB	09/26/25 11:03		rubina	OK
10	CCV1	CCV1	CCV	09/26/25 11:03		rubina	OK
11	CCB1	CCB1	CCB	09/26/25 11:03		rubina	OK
12	PB169853BL	PB169853BL	MB	09/26/25 11:03		rubina	OK
13	Q3167-02	RT4784	SAM	09/26/25 11:03		rubina	OK
14	Q3167-02DUP	RT4784DUP	DUP	09/26/25 11:11		rubina	OK
15	Q3168-04	ARS20-0010-Oily Soil	SAM	09/26/25 11:11		rubina	OK
16	Q3170-02	MOD-25-0271	SAM	09/26/25 11:11		rubina	OK
17	Q3181-03	WC-A3-01-C	SAM	09/26/25 11:11		rubina	OK
18	Q3181-07	WC-A3-02-C	SAM	09/26/25 11:11		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137332

Review By	rubina	Review On	9/29/2025 10:15:14 AM
Supervise By	Iwona	Supervise On	9/29/2025 10:57:03 AM
SubDirectory	LB137332	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP114922,WP114923,WP114924,WP114926,WP114927,WP114928,WP114929		
ICV Standard	WP114930		
CCV Standard	WP114923		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP114324,WP114931		

19	Q3181-11	WC-A3-03-C	SAM	09/26/25 11:11		rubina	OK
20	Q3183-10	WC-1	SAM	09/26/25 11:11		rubina	OK
21	Q3183-11	WC-4	SAM	09/26/25 11:11		rubina	OK
22	CCV2	CCV2	CCV	09/26/25 11:18		rubina	OK
23	CCB2	CCB2	CCB	09/26/25 11:18		rubina	OK
24	Q3183-12	WC-3	SAM	09/26/25 11:19		rubina	OK
25	Q3188-05	4135	SAM	09/26/25 11:19		rubina	OK
26	Q3191-01	459	SAM	09/26/25 11:19		rubina	OK
27	Q3196-01	FMC-9-24-25-1	SAM	09/26/25 11:19		rubina	OK
28	Q3196-02	FMC-9-24-25-2	SAM	09/26/25 11:19		rubina	OK
29	Q3196-03	FMC-9-24-25-3	SAM	09/26/25 11:26		rubina	OK
30	Q3196-04	FMC-9-24-25-4	SAM	09/26/25 11:26		rubina	OK
31	Q3196-05	FMC-9-24-25-5	SAM	09/26/25 11:26		rubina	OK
32	PB169852BL	PB169852BL	MB	09/26/25 11:26		rubina	OK
33	Q3199-01	ELZ-25-000117	SAM	09/26/25 11:26		rubina	OK
34	CCV3	CCV3	CCV	09/26/25 11:26		rubina	OK
35	CCB3	CCB3	CCB	09/26/25 11:34		rubina	OK
36	Q3199-01DUP	ELZ-25-000117DUP	DUP	09/26/25 11:34		rubina	OK
37	Q3199-02	ELZ-25-00098	SAM	09/26/25 11:34		rubina	OK
38	Q3199-03	ELZ-25-000111	SAM	09/26/25 11:34		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137332

Review By	rubina	Review On	9/29/2025 10:15:14 AM
Supervise By	Iwona	Supervise On	9/29/2025 10:57:03 AM
SubDirectory	LB137332	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP114922,WP114923,WP114924,WP114926,WP114927,WP114928,WP114929		
ICV Standard	WP114930		
CCV Standard	WP114923		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP114324,WP114931		

39	Q3199-04	ELZ-25-000110	SAM	09/26/25 11:34		rubina	OK
40	Q3199-05	ELZ-25-000124	SAM	09/26/25 11:34		rubina	OK
41	Q3199-06	ELZ-25-000125	SAM	09/26/25 11:34		rubina	OK
42	Q3199-07	ELZ-25-00097	SAM	09/26/25 11:34		rubina	OK
43	Q3208-06	SU-ESM-COMP-01	SAM	09/26/25 11:34		rubina	OK
44	Q3208-12	SU-ESM-COMP-02	SAM	09/26/25 11:34		rubina	OK
45	PB169851BL	PB169851BL	MB	09/26/25 11:41		rubina	OK
46	CCV4	CCV4	CCV	09/26/25 11:41		rubina	OK
47	CCB4	CCB4	CCB	09/26/25 11:41		rubina	OK
48	Q3168-05	TOTES COMP#1	SAM	09/26/25 11:41		rubina	OK
49	Q3168-05DUP	TOTES COMP#1DUP	DUP	09/26/25 11:41		rubina	OK
50	Q3168-06	TOTES COMP#2	SAM	09/26/25 11:41		rubina	OK
51	Q3196-06	TOTE-FMC-9-24-25-1	SAM	09/26/25 11:49		rubina	OK
52	Q3196-07	TOTE-FMC-9-24-25-2	SAM	09/26/25 11:49		rubina	OK
53	Q3196-09	FMC-9-24-25-DRUM-	SAM	09/26/25 11:49		rubina	OK
54	Q3199-09	ELZ-25-000107	SAM	09/26/25 11:49		rubina	OK
55	CCV5	CCV5	CCV	09/26/25 11:49		rubina	OK
56	CCB5	CCB5	CCB	09/26/25 11:49		rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137333

Review By	Iwona	Review On	9/26/2025 1:32:51 PM
Supervise By	JIGNESH	Supervise On	9/26/2025 1:33:43 PM
SubDirectory	LB137333	Test	Reactive Sulfide
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	W3105,W3213,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB169854BL	PB169854BL	MB	09/26/25 12:30		rubina	OK
2	Q3167-02	RT4784	SAM	09/26/25 12:33		rubina	OK
3	Q3167-02DUP	RT4784DUP	DUP	09/26/25 12:36		rubina	OK
4	Q3168-04	ARS20-0010-Oily Soil	SAM	09/26/25 12:39		rubina	OK
5	Q3170-02	MOD-25-0271	SAM	09/26/25 12:42		rubina	OK
6	Q3181-03	WC-A3-01-C	SAM	09/26/25 12:45		rubina	OK
7	Q3181-07	WC-A3-02-C	SAM	09/26/25 12:48		rubina	OK
8	Q3181-11	WC-A3-03-C	SAM	09/26/25 12:51		rubina	OK
9	Q3183-10	WC-1	SAM	09/26/25 12:54		rubina	OK
10	Q3183-11	WC-4	SAM	09/26/25 12:57		rubina	OK
11	Q3183-12	WC-3	SAM	09/26/25 13:00		rubina	OK
12	Q3188-05	4135	SAM	09/26/25 13:03		rubina	OK
13	Q3191-01	459	SAM	09/26/25 13:06		rubina	OK
14	Q3196-01	FMC-9-24-25-1	SAM	09/26/25 13:10		rubina	OK
15	Q3196-02	FMC-9-24-25-2	SAM	09/26/25 13:14		rubina	OK
16	Q3196-03	FMC-9-24-25-3	SAM	09/26/25 13:17		rubina	OK
17	Q3196-04	FMC-9-24-25-4	SAM	09/26/25 13:20		rubina	OK
18	Q3196-05	FMC-9-24-25-5	SAM	09/26/25 13:23		rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137333

Review By	Iwona	Review On	9/26/2025 1:32:51 PM
Supervise By	JIGNESH	Supervise On	9/26/2025 1:33:43 PM
SubDirectory	LB137333	Test	Reactive Sulfide
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	W3105,W3213,W3149		

19	Q3208-06	SU-ESM-COMP-01	SAM	09/26/25 13:27		rubina	OK
20	Q3208-12	SU-ESM-COMP-02	SAM	09/26/25 13:30		rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137336

Review By	Iwona	Review On	9/29/2025 1:51:22 PM
Supervise By	Sohil	Supervise On	9/29/2025 4:44:43 PM
SubDirectory	LB137336	Test	ASTM TS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137336BL	LB137336BL	MB	09/26/25 10:30		Iwona	OK
2	Q3181-04	WC-A3-01-C	SAM	09/26/25 10:30		Iwona	OK
3	Q3181-04DUP	WC-A3-01-CDUP	DUP	09/26/25 10:30		Iwona	OK
4	Q3181-08	WC-A3-02-C	SAM	09/26/25 10:30		Iwona	OK
5	Q3181-12	WC-A3-03-C	SAM	09/26/25 10:30		Iwona	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137345

Review By	Iwona	Review On	9/29/2025 1:18:26 PM
Supervise By	Sohil	Supervise On	9/29/2025 1:20:02 PM
SubDirectory	LB137345	Test	ASTM Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3240,M6069,EP2629,WP114934,NA,NA,WP112783,NA,WP112784		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB137345BL	LB137345BL	MB	09/26/25 15:00		Iwona	OK
2	LB137345BS	LB137345BS	LCS	09/26/25 15:00		Iwona	OK
3	Q3181-04	WC-A3-01-C	SAM	09/26/25 15:00		Iwona	OK
4	Q3181-04DUP	WC-A3-01-CDUP	DUP	09/26/25 15:00		Iwona	OK
5	Q3181-04MS	WC-A3-01-CMS	MS	09/26/25 15:00		Iwona	OK
6	Q3181-04MSD	WC-A3-01-CMSD	MSD	09/26/25 15:00		Iwona	OK
7	Q3181-08	WC-A3-02-C	SAM	09/26/25 15:00		Iwona	OK
8	Q3181-12	WC-A3-03-C	SAM	09/26/25 15:00		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137347

Review By	rubina	Review On	9/30/2025 12:30:07 PM
Supervise By	Iwona	Supervise On	9/30/2025 12:30:18 PM
SubDirectory	LB137347	Test	ASTM Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114936		
ICV Standard	WP114938		
CCV Standard	WP114937		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114132,WP113929,WP114133,WP114799		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	09/29/25 10:09		Iwona	OK
2	0.1PPM	0.1PPM	CAL2	09/29/25 10:09		Iwona	OK
3	0.2PPM	0.2PPM	CAL3	09/29/25 10:09		Iwona	OK
4	0.4PPM	0.4PPM	CAL4	09/29/25 10:09		Iwona	OK
5	1.0PPM	1.0PPM	CAL5	09/29/25 10:09		Iwona	OK
6	1.3PPM	1.3PPM	CAL6	09/29/25 10:09		Iwona	OK
7	2.0PPM	2.0PPM	CAL7	09/29/25 10:09		Iwona	OK
8	ICV1	ICV1	ICV	09/29/25 12:38		Iwona	OK
9	ICB1	ICB1	ICB	09/29/25 12:38		Iwona	OK
10	CCV1	CCV1	CCV	09/29/25 12:38		Iwona	OK
11	CCB1	CCB1	CCB	09/29/25 12:38		Iwona	OK
12	RL	RL	SAM	09/29/25 12:38		Iwona	OK
13	PB169877BL	PB169877BL	MB	09/29/25 12:38		Iwona	OK
14	PB169877BS	PB169877BS	LCS	09/29/25 12:48		Iwona	OK
15	PB169877TB	PB169877TB	MB	09/29/25 12:48		Iwona	OK
16	Q3181-04	WC-A3-01-C	SAM	09/29/25 13:36		Iwona	OK
17	Q3181-04DUP	WC-A3-01-CDUP	DUP	09/29/25 13:36		Iwona	OK
18	Q3181-04MS	WC-A3-01-CMS	MS	09/29/25 13:36		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137347

Review By	rubina	Review On	9/30/2025 12:30:07 PM
Supervise By	Iwona	Supervise On	9/30/2025 12:30:18 PM
SubDirectory	LB137347	Test	ASTM Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114936		
ICV Standard	WP114938		
CCV Standard	WP114937		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114132,WP113929,WP114133,WP114799		

19	Q3181-04MSD	WC-A3-01-CMSD	MSD	09/29/25 13:36		Iwona	OK
20	Q3181-08	WC-A3-02-C	SAM	09/29/25 13:36		Iwona	OK
21	Q3181-12	WC-A3-03-C	SAM	09/29/25 13:36		Iwona	OK
22	CCV2	CCV2	CCV	09/29/25 14:11		Iwona	OK
23	CCB2	CCB2	CCB	09/29/25 14:28		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137350

Review By	Iwona	Review On	9/29/2025 3:46:06 PM
Supervise By	Sohil	Supervise On	9/29/2025 4:45:28 PM
SubDirectory	LB137350	Test	ASTM COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3229,WP114941,WP114942,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	09/29/25 12:45		Iwona	OK
10	CCB1	CCB1	CCB	09/29/25 12:45		Iwona	OK
11	RL Check	RL Check	RL	09/29/25 12:46		Iwona	OK
12	LB137350BL	LB137350BL	MB	09/29/25 12:46		Iwona	OK
13	LB137350BS	LB137350BS	LCS	09/29/25 12:47		Iwona	OK
14	Q3181-04	WC-A3-01-C	SAM	09/29/25 12:47		Iwona	OK
15	Q3181-04DUP	WC-A3-01-CDUP	DUP	09/29/25 12:48		Iwona	OK
16	Q3181-04MS	WC-A3-01-CMS	MS	09/29/25 12:48		Iwona	OK
17	Q3181-04MSD	WC-A3-01-CMSD	MSD	09/29/25 12:49		Iwona	OK
18	Q3181-08	WC-A3-02-C	SAM	09/29/25 12:49		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137350

Review By	Iwona	Review On	9/29/2025 3:46:06 PM
Supervise By	Sohil	Supervise On	9/29/2025 4:45:28 PM
SubDirectory	LB137350	Test	ASTM COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3229,WP114941,WP114942,WP1		

19	Q3181-12	WC-A3-03-C	SAM	09/29/25 12:50		Iwona	OK
20	CCV2	CCV2	CCV	09/29/25 12:50		Iwona	OK
21	CCB2	CCB2	CCB	09/29/25 12:51		Iwona	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137361

Review By	JIGNESH	Review On	9/30/2025 11:33:35 AM
Supervise By	Iwona	Supervise On	9/30/2025 11:43:39 AM
SubDirectory	LB137361	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3204,NA,EP2646,N/A,NA,NA,WP112785,WP112786,N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137361BL	LB137361BL	MB	09/29/25 12:30		JIGNESH	OK
2	LB137361BS	LB137361BS	LCS	09/29/25 12:30		JIGNESH	OK
3	LB137361BSD	LB137361BSD	LCSD	09/29/25 12:30		JIGNESH	OK
4	Q3181-02	WC-A3-01-C	SAM	09/29/25 12:30		JIGNESH	OK
5	Q3181-06	WC-A3-02-C	SAM	09/29/25 12:30		JIGNESH	OK
6	Q3181-10	WC-A3-03-C	SAM	09/29/25 12:30		JIGNESH	OK
7	Q3181-10DUP	WC-A3-03-CDUP	DUP	09/29/25 12:30		JIGNESH	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3181

Test : ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,Percent Solids,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS

Prepbatch ID : PB169853,PB169854,PB169877,

Sequence ID/Qc Batch ID: LB137309,LB137310,LB137322,LB137323,LB137329,LB137330,LB137332,LB137333,LB137336,LB137338

Standard ID :

EP2629,EP2646,WP112611,WP112612,WP112643,WP112783,WP112784,WP112785,WP112786,WP112828,WP113836,WP113838,WP113887,WP113929,WP114132,WP114133,WP114311,WP114324,WP114652,WP114653,WP114654,WP114655,WP114656,WP114657,WP114658,WP114659,WP114661,WP114785,WP114786,WP114799,WP114921,WP114922,WP114923,WP114924,WP114926,WP114927,WP114928,WP114929,WP114930,WP114931,WP114934,WP114936,WP114937,WP114938,WP114939,WP114940,WP114941,WP114942,WP114943,

Chemical ID :

E3875,E3917,M6041,M6069,M6151,M6200,W2663,W2666,W2668,W2725,W2817,W2871,W2926,W3009,W3019,W3082,W3093,W3105,W3112,W3113,W3132,W3133,W3139,W3149,W3161,W3169,W3178,W3191,W3195,W3196,W3200,W3203,W3204,W3213,W3214,W3217,W3219,W3222,W3224,W3229,W3240,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2629	07/28/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/28/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 09/26/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
153	Ammonia Stock Std. (1000 ppm)	WP112611	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 04/07/2025
<u>FROM</u> 3.81900gram of W3196 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml								

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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCS-5)	None	Iwona Zarych 04/09/2025
<u>FROM</u>	138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml							

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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3374	1664A QCS spiking solution-SS	WP112784	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 04/22/2025
<u>FROM</u>	1000.0000ml of E3917 + 4.00000gram of W3009 + 4.00000gram of W3082 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3931	Spiking std for 9071B	WP112785	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCS-7)	None	Iwona Zarych 04/22/2025
<u>FROM</u> 1.00000gram of W2817 + 1.00000gram of W2871 + 1000.00000ml of E3917 = Final Quantity: 1000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3873	Spiking solution for 9071B - SS	WP112786	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 04/22/2025
<u>FROM</u>	1.00000gram of W3009 + 1.00000gram of W3082 + 1000.00000L of E3917 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1597	0.04 N H2SO4	WP112828	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 04/25/2025
<u>FROM</u> 1.00000ml of M6041 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
11	Sodium hydroxide absorbing solution 0.25 N	WP113836	07/08/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 07/08/2025
FROM 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3371	Cyanide LCS Spike Solution, 5PPM	WP113838	07/08/2025	12/24/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC) <u>FROM</u> 1.00000ml of W3224 + 199.00000ml of WP113836 = Final Quantity: 200.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1471	NaOH Solution, 6N	WP113887	07/10/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCS-7)	None	Iwona Zarych 07/10/2025
<u>FROM</u> 240.00000gram of W3113 + 760.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
290	Phenol reagent for Ammonia	WP113929	07/14/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 07/15/2025
<u>FROM</u> 3.20000gram of W3113 + 8.30000gram of W2663 + 88.80000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
635	EDTA BUFFER FOR AMMONIA	WP114132	07/31/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 07/31/2025
<u>FROM</u> 5.50000gram of W3113 + 50.00000gram of W3132 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
289	Sodium Hypochlorite for Ammonia	WP114133	07/31/2025	12/31/2025	Rubina Mughal	None	None	Iwona Zarych 08/04/2025
<u>FROM</u> 50.00000ml of W3112 + 50.00000ml of W3222 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
160	0.5M ZINC ACETATE	WP114311	08/19/2025	02/17/2026	Rubina Mughal	WETCHEM_SCALE_8 (WC)	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 08/19/2025
FROM 0.88900L of W3112 + 1.00000ml of M6151 + 110.00000gram of W2926 = Final Quantity: 1000.000 ml								

[illegible]



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP114652	09/08/2025	09/15/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 09/11/2025
<u>FROM</u> 0.08500gram of W3219 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP114653	09/08/2025	09/15/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 09/11/2025
<u>FROM</u> 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
139	COD calibration std. 0 ppm	WP114654	09/08/2025	09/15/2025	Iwona Zarych	None	None	Jignesh Parikh
								09/11/2025

FROM 10.00000ml of W3112 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
138	COD calibration std. 10 ppm	WP114655	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh
								09/11/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP114652 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
137	COD calibration std. 50 ppm	WP114656	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025
<u>FROM</u> 9.50000ml of W3112 + 0.50000ml of WP114652 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4161	COD calibration std. 75 ppm	WP114657	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025
<u>FROM</u> 9.25000ml of W3112 + 0.75000ml of WP114652 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
136	COD calibration std. 100 ppm	WP114658	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
(WC)								
<u>FROM</u>	9.00000ml of W3112 + 1.00000ml of WP114652 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
135	COD calibration std. 150 ppm	WP114659	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 09/11/2025
<u>FROM</u> 8.50000ml of W3112 + 1.50000ml of WP114652 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP114661	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025
<u>FROM</u>	9.50000ml of W3112 + 0.50000ml of WP114653 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1322	Ammonia Intermediate Std, 50PPM	WP114785	09/16/2025	10/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025
<u>FROM</u> 95.00000ml of W3112 + 5.00000ml of WP112611 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1639	Ammonia Intermediate Std-Second source, 50PPM	WP114786	09/16/2025	10/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025
<u>FROM</u> 95.00000ml of W3112 + 5.00000ml of WP112612 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
740	sodium nitroferricyanide for ammonia	WP114799	09/17/2025	10/17/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh 09/18/2025
<u>FROM</u> 0.05000gram of W2666 + 99.95000ml of W3112 = Final Quantity: 100.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3456	Cyanide Intermediate Working Std, 5PPM	WP114921	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
FROM 0.25000ml of W3214 + 49.75000ml of WP113836 = Final Quantity: 50.000 ml 								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4	Calibration standard 500 ppb	WP114922	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/29/2025
<u>FROM</u> 45.00000ml of WP113836 + 5.00000ml of WP114921 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3761	Calibration-CCV CN Standard 250 ppb	WP114923	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
FROM 2.50000ml of WP114921 + 47.50000ml of WP113836 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
6	Calibration Standard 100 ppb	WP114924	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/29/2025
<u>FROM</u>	1.00000ml of WP114921 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
7	Calibration Standard 50 ppb	WP114926	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC)								
<u>FROM</u>	0.50000ml of WP114921 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
8	Calibration Standard 10 ppb	WP114927	09/26/2025	09/27/2025	Rubina Mughal	None	None	Iwona Zarych 09/29/2025
<u>FROM</u>	1.00000ml of WP114922 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
9	Calibration Standard 5 ppb	WP114928	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC) FROM 0.50000ml of WP114922 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
167	0 ppb CN calibration std	WP114929	09/26/2025	09/27/2025	Rubina Mughal	None	None	Iwona Zarych 09/29/2025
<u>FROM</u> 50.00000ml of WP113836 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2168	RCN ICV STD, 100 PPB	WP114930	09/26/2025	09/27/2025	Rubina Mughal	None	WETCHEM_FIPETTE_3 (WC)	Iwona Zarych 09/29/2025
<u>FROM</u> 1.00000ml of WP113838 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1582	Chloramine T solution, 0.014M	WP114931	09/26/2025	09/27/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	Glass Pipette-A	Iwona Zarych 09/29/2025
<u>FROM</u>	0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml							

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
229	1:1 HCL	WP114934	09/29/2025	02/10/2026	Iwona Zarych	None	None	Jignesh Parikh
								09/30/2025

FROM 500.00000ml of M6200 + 500.00000ml of W3112 = Final Quantity: 1.000 L

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
275	Ammonia Calibration Std. (2 ppm)	WP114936	09/29/2025	09/30/2025	Rubina Mughal	None	WETCHEM_FIPETTE_3	Iwona Zarych
							(WC)	09/29/2025

FROM 48.00000ml of W3112 + 2.00000ml of WP114785 = Final Quantity: 50.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
285	Ammonia CCV Std. (1 ppm)	WP114937	09/29/2025	09/30/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
<u>FROM</u>		49.00000ml of W3112 + 1.00000ml of WP114785 = Final Quantity: 50.000 ml						

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
286	Ammonia ICV Std. (1 ppm)	WP114938	09/29/2025	09/30/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
FROM 49.00000ml of W3112 + 1.00000ml of WP114786 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP114939	09/29/2025	10/06/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 09/30/2025
<u>FROM</u> 0.08500gram of W3219 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP114940	09/29/2025	10/06/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 09/30/2025
<u>FROM</u> 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2458	COD CCV std, 50ppm	WP114941	09/29/2025	10/06/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 09/30/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114939 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP114942	09/29/2025	10/06/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 09/30/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114940 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4162	RL CHECK	WP114943	09/29/2025	10/06/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
(WC) FROM 9.90000ml of W3112 + 0.10000ml of WP114939 = Final Quantity: 10.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/10/2026	09/11/2025 / Sagar	08/25/2025 / Sagar	M6200

CHEMICAL RECEIPT LOG BOOK

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	2HD0179	01/27/2030	01/27/2020 / apatel	01/27/2020 / apatel	W2663

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.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYST, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EMD-FX0410-5 / FORMALDEHYDE SOLUTION 450ML	60045	06/30/2025	08/19/2024 / lwona	06/22/2020 / apatel	W2725

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J4296-1 / ZINC ACETATE,DIHYD,CRYS,AC S,500G	383058	07/05/2027	07/05/2022 / ketankumar	07/05/2022 / ketankumar	W2926

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	270970-1L / Pyridine 1L	SHBQ2113	04/03/2028	04/03/2023 / lwona	04/03/2023 / lwona	W3019

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	566002 / BUFFER PH 7.00 GREEN 1PINT PK6	44001f99	12/31/2025	04/03/2024 / jignesh	04/02/2024 / jignesh	W3093

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 / lwona	04/22/2024 / lwona	W3105

CHEMICAL RECEIPT LOG BOOK

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 / lwona	07/03/2024 / lwona	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 / lwona	07/08/2024 / lwona	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 / lwona	07/26/2024 / lwona	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 / lwona	08/22/2024 / lwona	W3133

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	09/09/2029	09/09/2024 / lwona	09/09/2024 / lwona	W3139

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL13850-1 / Buffer Solution, PH2 (500ml)	2411E26	10/31/2026	12/09/2024 / lwona	12/09/2024 / lwona	W3161

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14055-3 / PH 4 BUFFER SOLUTION	2411A93	10/30/2026	04/01/2025 / JIGNESH	01/27/2025 / jignesh	W3178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1601-1 / PH 10.01 BUFFER,COLOR CD 475ML	2410F80	03/31/2026	04/01/2025 / JIGNESH	03/13/2025 / jignesh	W3191

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
RICCA CHEMICAL COMPANY	1615-16 / pH 12.00 Buffer	2504F20	09/30/2026	04/11/2025 / lwona	04/11/2025 / lwona	W3200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-BX0035-3 / Barbituric Acid, 100 gms	WXBF3271V	05/16/2029	04/21/2025 / lwona	04/21/2025 / lwona	W3203

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL35830-4 / IODINE SOLUTION .025N 1L	MK25A21527	01/20/2029	05/21/2025 / lwona	05/21/2025 / lwona	W3213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1505H73	11/30/2025	05/21/2025 / lwona	05/21/2025 / lwona	W3214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14455-3 / buffer solution pH 7 yellow	2504D34	03/31/2027	07/02/2025 / jignesh	06/26/2025 / lwona	W3217

CHEMICAL RECEIPT LOG BOOK

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

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	2506M51	12/31/2025	07/02/2025 / Iwona	07/02/2025 / Iwona	W3222

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	LC135457 / Cyanide Standard, 1000 PPM, Second Source	45060288	12/24/2025	07/07/2025 / Iwona	07/07/2025 / Iwona	W3224

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	5GE0517	05/31/2030	08/28/2025 / Eman	07/11/2025 / Iwona	W3229

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/30/2026	09/15/2025 / JIGNESH	09/12/2025 / JIGNESH	W3240



Certificate Of Analysis

Item Number	P1060	Lot Number	2HD0179
Item	Phenol, Loose Crystal, Reagent, ACS		
CAS Number	108-95-2		
Molecular Formula	C ₆ H ₆ O	Molecular Weight	94.11

Test	Specification		Result
	min	max	
ASSAY (C ₆ H ₅ OH)	99.0 %		100.02 %
FREEZING POINT (DRY)	40.5 C		40.5°C
CLARITY OF SOLUTION	TO PASS TEST		PASSES TEST
RESIDUE AFTER EVAPORATION		0.05 %	<0.05 %
WATER		0.5 %	0.0087 %
DATE OF MANUFACTURE			06-MAR-2018

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ



Certificate Of Analysis Results Certified by

Ibad Tirmizi
Director of Quality
Spectrum Chemical Mfg. Corp.

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.

Hexadecane, 99.0%



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

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ (CH ₂) ₁₄ CH ₃) (by GC)	>= 99.0 %	99.3
Infrared Spectrum	Passes Test	PT

For Laboratory, Research or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality

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

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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This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.

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

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

Product Specification

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

Date Of Print: 11/30/2023

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

W3009
rec. 2/27/2023 12

Product Name:

Hexadecane - ReagentPlus®, 99%

Certificate of Analysis

Product Number:

H6703

Batch Number:

SHBP8192

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

Brand:

SIAL

CAS Number:

544-76-3

MDL Number:

MFCD00008998

Formula:

C16H34

Formula Weight:

226.44 g/mol

Quality Release Date:

04 AUG 2022

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


Larry Coers, Director

Quality Control

Sheboygan Falls, WI US

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



W3019
rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA

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

Certificate of Analysis

Product Name:

Pyridine - anhydrous, 99.8%

Product Number:

270970

Batch Number:

SHBQ2113

Brand:

SIAL

CAS Number:

110-86-1

MDL Number:

MFCD00011732

Formula:

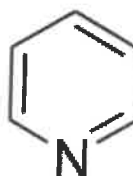
C₅H₅N

Formula Weight:

79.10 g/mol

Quality Release Date:

15 DEC 2022



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.75 %	99.99 %
Water (by Karl Fischer)	≤ 0.003 %	0.002 %
Residue on Evaporation	≤ 0.0005 %	< 0.0001 %


Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

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





Certificate of Analysis

Date of Release: 2/26/2020

Name: Formaldehyde Solution
GR ACS
Meets ACS Specifications

Item No: FX0410 all size codes

Lot / Batch No: 60045

Country of Origin: USA

Characteristic	Requirement		Results	Units
	Min.	Max.		
Assay	36.5	38.0	36.71	%
Chloride (Cl)		5	<5	ppm
Color (APHA)		10	<10	
Form			Passes test	
Heavy metals (as Pb)		5	<5	ppm
Iron (Fe)		5	0.6	ppm
Residue after ignition		0.005	<0.0050	%
Sulfate (SO ₄)		0.002	<0.0020	%
Titration acid		0.006	<0.0060	meq/g

Heather Sinn,

Quality Control Manager

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

EMD Millipore Corporation, an affiliate of Merck KGaA, Darmstadt, Germany
290 Concord Road
Billerica, MA 01821
U.S.A

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.



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MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

RE-02-01, Ed. 3

E 3875

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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

avantor™



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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

 **avantor™**

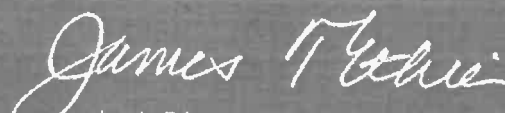


Material No.: 9673-33
Batch No.: 23D2462010

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

For Laboratory, Research, or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality



Certificate of Analysis

Product information

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

Confirmation

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

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



MACHEREY-NAGEL GmbH & Co. KG
Valenciennner Str. 11
52355 Düren · Germany
www.mn-net.com

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FR	Tel.: +33 388 68 22 68	sales-fr@mn-net.com
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

 **avantor™**



M6151

R → 11/15/25

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

 **avantorsm**



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

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

>>> Continued on page 3 >>>

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



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

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

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

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

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



M6200
R.O → 08/25/25

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.6 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.192
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

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



Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

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



Material No.: 9530–33
Batch No.: 24D1562005

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

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

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

A handwritten signature in dark ink, appearing to read 'JCroak'.

Jamie Croak
Director Quality Operations, Bioscience Production

Sodium Phosphate, Monobasic, Monohydrate,
Crystal
BAKER ANALYZED® A.C.S. Reagent

(sodium dihydrogen phosphate, monohydrate)



Material No.: 3818-05
Batch No.: 0000225799
Manufactured Date: 2018/12/05
Retest Date: 2025/12/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$)	98.0 – 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 – 4.5	4.3
Insoluble Matter	≤ 0.01 %	< 0.01
Chloride (Cl)	≤ 5 ppm	< 5
ACS – Sulfate (SO_4)	≤ 0.003 %	< 0.003
Calcium (Ca)	≤ 0.005 %	< 0.005
Potassium (K)	≤ 0.01 %	< 0.01
Heavy Metals (as Pb)	≤ 0.001 %	< 0.001
Trace Impurities – Iron (Fe)	≤ 0.001 %	< 0.001

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

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


Jamie Ethier
Vice President Global Quality

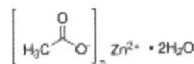
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Certificate of Analysis

Product Name:

Zinc acetate dihydrate - ACS reagent, $\geq 98\%$

Product Number: 383058
Batch Number: MKCQ9159
Brand: SIGALD
CAS Number: 5970-45-6
MDL Number: MFCD00066961
Formula: $C_4H_6O_4Zn \cdot 2H_2O$
Formula Weight: 219.51 g/mol
Quality Release Date: 06 JAN 2022



W2926
Open 7/5/22
received
on 7/5/22

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	$\leq 0.005\%$	0.003 %
Calcium (Ca)	$\leq 0.005\%$	0.003 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 5 ppm
Potassium (K)	$\leq 0.01\%$	0.00 %
Magnesium (Mg)	$\leq 0.005\%$	0.003 %
Sodium (Na)	$\leq 0.05\%$	0.03 %
Lead (Pb)	$\leq 0.002\%$	$< 0.001\%$
pH	6.0 - 7.0	6.1
Sulfate (SO ₄)	$\leq 0.005\%$	$< 0.005\%$
Complexometric EDTA	98.0 - 101.0 %	100.3 %
Meets ACS Requirements	Meets Requirements	Meets Requirements


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

W3082 Received on 2/26/2026 by IZ

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

Appearance White flakes
Assay 98.7 %

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Certificate of Analysis

W3093
004121
04/03/2024
16

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)**Lot Number:** 4401F99**Product Number:** 1551**Manufacture Date:** JAN 08, 2024**Expiration Date:** DEC 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	

Test	Specification	Result
Appearance	Yellow liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.004	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1551-1	4 L natural poly	24 months
1551-1CT	4 L Cubitainer®	24 months
1551-2.5	10 L Cubitainer®	24 months
1551-5	20 L Cubitainer®	24 months

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



Paul Brandon (01/08/2024)

Production Manager

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

This product was tested in an ISO 17025 Accredited Laboratory

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

Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13

Product Number: 7900

Manufacture Date: MAR 29, 2024

Expiration Date: SEP 2025

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

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

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

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

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

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

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



Paul Brandon (03/29/2024)

Production Manager

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Contents of Certificates and Labels."

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Sodium Hydroxide (Pellets)

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

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

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025
Storage: Room Temperature

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

Internal ID #: 710

Signature	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.



Sodium Hydroxide (Pellets)

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

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

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

Storage: Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

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

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

Additional Information

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

Product meets analytical specifications of the grades listed.

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

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

Certificate of Analysis Results Entered By:

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

Certificate of Analysis Results Approved By:

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

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ



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

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

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

W3139 Received on 9/9/24 by IZ

Product No.: A12044
Product: Chloramine-T trihydrate, 98%
Lot No.: 10239484

Appearance:	White powder
Melting Point:	166°C(dec)
Assay (Iodometric titration):	100.5%
Identification (FTIR):	Conforms

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Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.



Certificate of Analysis

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

Lot Number: 4408P62

Product Number: 8000

Manufacture Date: AUG 28, 2024

Expiration Date: AUG 2026

This product is Mercury-free.

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

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

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

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

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

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

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

Paul Brandon (08/28/2024)
Production Manager

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Certificate of Analysis

Buffer, Reference Standard, pH 2.00 ± 0.01 at 25°C**Lot Number:** 2411E26**Product Number:** 1493**Manufacture Date:** NOV 11, 2024**Expiration Date:** OCT 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	10	15	20	25	30	35	40	45	50
pH	1.93	1.98	1.98	2.00	2.01	2.03	2.03	2.04	2.04

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	1.994	0.02	185i, 186-I-g, 186-II-g

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1493-1	4 L natural poly	24 months
1493-16	500 mL natural poly	24 months
1493-1CT	4 L Cubitainer®	24 months
1493-2.5	10 L Cubitainer®	24 months
1493-32	1 L natural poly	24 months

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



Jose Pena (11/11/2024)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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

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

Internal ID #: 322

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

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Certificate of Analysis

031758 58

Buffer, Reference Standard, pH 4.00 ± 0.01 at 25°C (Color Coded Red)

Lot Number: 2411A93

Product Number: 1501

Manufacture Date: NOV 04, 2024

Expiration Date: OCT 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST Traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial
Red Dye	Proprietary	Purified

Test	Specification	Result
Appearance	Red liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	4.008	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Commercial Buffer Solutions	
Buffer B	ASTM (D 1293 B)
Buffer B	ASTM (D 5464)
Buffer B	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1501-16	500 mL natural poly	24 months
1501-2.5	10 L Cubitainer®	24 months
1501-5	20 L Cubitainer®	24 months

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



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Certificate of Analysis

Buffer, Reference Standard, pH 10.00 ± 0.01 at 25°C (Color Coded Blue)

Lot Number: 2410F80

Product Number: 1601

Manufacture Date: OCT 09, 2024

Expiration Date: MAR 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	50
pH	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	
Blue Dye	Proprietary	

Test	Specification	Result
Appearance	Blue liquid	Passed

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	10.009	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	
Buffer C	ASTM (D 1293 B)
Buffer C	ASTM (D 5464)
	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1601-1	4 L natural poly	18 months
1601-16	500 mL natural poly	18 months
1601-1CT	4 L Cubitainer®	18 months
1601-2.5	10 L Cubitainer®	18 months
1601-32	1 L natural poly	18 months
1601-5	20 L Cubitainer®	18 months

Version: 1.3

Lot Number: 2410F80

Product Number: 1601

Page 1 of 2

Certificate of Analysis



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

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

Internal ID #: 710

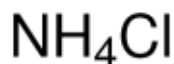
Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA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

W3196 Received on 03/19/2025 by IZ

Certificate of Analysis

Product Name:

Ammonium chloride - ACS reagent, ≥99.5%



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

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



Larry Coers, Director

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



Certificate of Analysis

Product Number: 213330
Batch Number: MKCV1009

Quality Control
Milwaukee, WI US

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





Certificate of Analysis

Buffer, Reference Standard, pH 12.00 ± 0.01 at 25°C**Lot Number:** 2504F20**Product Number:** 1615**Manufacture Date:** APR 08, 2025**Expiration Date:** SEP 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

°C	15	20	25	30	35	40
pH	12.35	12.17	11.99	11.78	11.62	11.46

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Colorless liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	12.009	0.02	186-I-g, 186-II-g, 191d

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1615-1	4 L natural poly	18 months
1615-16	500 mL clear PET-G	18 months
1615-5	20 L Cubitainer®	18 months

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



Jose Pena (04/08/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

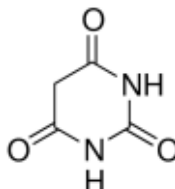
This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

Certificate of Analysis

Product Name:

Barbituric acid - ReagentPlus® , 99%

Product Number: 185698
Batch Number: WXBFB3271V
Brand: SIAL
CAS Number: 67-52-7
Formula: C₄H₄N₂O₃
Formula Weight: 128,09 g/mol
Quality Release Date: 16 MAY 2024



Test	Specification	Result
Appearance (Colour)	White to Off-White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	98.5 - 101.5 %	100.4 %
GC (area %)	≥ 98 %	100 %
VPCT		



Kang Chen
Quality Manager
Wuxi , China CN

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



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

avantor™



W3204
084K: 09/22/2025
38

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

Certificate of Analysis

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

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

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

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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



Material	BDHVBDH7206-1
Material Description	IODINE SOLUTION 0.025N
Lot	25A2461008
Expires end of	2029-Jan-20
Molecular mass	0
Last Quality Control	2025-Jan-24
Date of manufacture	2025-Jan-21
Made in	United States
Manufacturer Source Batch	MK25A21527

Additional information

Characteristics	Specifications	Measured values
Prepared to formulation on file	Confirmed	Confirmed
Appearance	Passes Test	Passes Test
Normality, N	0.0200 - 0.0300	0.0268

Signature

We certify that this batch conforms to the specifications listed above.

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

Michelle Bales - Sr. Manager Quality Assurance
 Avantor Performance Materials, LLC

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.

VWR International LLC, Radnor Corporate Center, Building One, Suite 200, 100 Matsonford Road, Radnor, PA 19087, USA.

VWR International bv, Haasrode Research Park Zone 2020, Geldenaaksebaan 464, 3001 Leuven, Belgium

BDHVBDH72 25A2461008 Page 1 / 1

Certificate of Analysis

Cyanide Standard, 1000 ppm CN⁻

Lot Number: 1505H73

Product Number: 2543

Manufacture Date: MAY 08, 2025

Expiration Date: NOV 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.

Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN ⁻)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN ⁻)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN ⁻)	ASTM (D 4374)

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)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)



Ernest Mahan (05/08/2025)
Plant Manager

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Certificate of Analysis

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 2504D34

Product Number: 1551

Manufacture Date: APR 03, 2025

Expiration Date: MAR 2027

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Yellow liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.003	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months

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



Jose Pena (04/03/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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Certificate Of Analysis



Date of Release: 4/8/2025

Name: **Potassium Hydrogen Phthalate**

ACS

Item No: **PX1476 All Sizes**

Lot / Batch No: **2025040493**

Country of Origin: **USA**

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

Joe Schoellkopf

Quality Control Manager

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

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

EMD Millipore Corporation

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

Form number: 00005624CA, Rev. 2.0

Certificate of Analysis

Sodium Hypochlorite Solution, 5% available Chlorine

Lot Number: 2506M51**Product Number:** 7495.5**Manufacture Date:** JUN 18, 2025**Expiration Date:** DEC 2025

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

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

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

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

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

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

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

Jose Pena (06/18/2025)
Operations Manager

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Part of TCP Analytical Group

Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Cyanide Standard 1000 ppm (1ml = 1mg CN)

Product Code: **LC13545**

Manufacture Date: June 25, 2025

Lot Number: **45060288**

Expiration Date: December 24, 2025

Test	Specification	Result
Appearance (clarity)	clear solution	clear solution
Appearance (color)	colorless	colorless
Concentration (CN)	0.990 - 1.010mg/mL	1.000mg/mL
Concentration (CN)	990 - 1,010ppm	1,000ppm
Traceable to NIST SRM	Report	999b

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST

The suffix of the product code may differ from what is on your product label. The suffix will designate the size and be associated with a numeric digit(s). Visit LabChem.com for more information

Suffix	1	2	3/3S/36/36S	4/4C	5	6	7	8	9	20	44	200	246	486
Size	500mL org	1L or 1kg	2.5L/2.5L Coated/6x2.5L/6x2.5L Coated	4L	20L	10L	125mL	25g	100g	20x20mL	4x4L	200L	24x6mL	48x6mL

Michael Monteleone

Michael Monteleone
Chemistry Supervisor - Quality Control
20250703 15:30:45ahoffman-0-0

ISO9001:2015 Registration #0306-01

W 3228

W 3229

W 3230

Rec. on 7/11/25 by 12



environmental
express®

2345A Charleston Regional
Charleston, South Carolina 29492
environmentalexpress.com
+1 843.881.6560

May 12, 2025

CERTIFICATE OF ANALYSIS

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

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

<u>Cat. No.</u>	<u>Lot No.</u>	<u>Product Description</u>	<u>Expiration Date</u>
B1010	5GE0517	COD Reagent Vials, 0 - 150 ppm	May-30

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

 **avantors[™]**



W3240
JP
07/15/2025
07/15/2025

Material No.: 9262-03
Batch No.: 25C0362006
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

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

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



Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137306

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3174-01	RPXY1	1	1.15	10.82	11.97	10.39	85.4	
Q3174-02	SBF1	2	1.18	10.22	11.4	10.02	86.5	
Q3181-02	WC-A3-01-C	3	1.18	10.44	11.62	9.42	78.9	
Q3181-06	WC-A3-02-C	4	1.15	10.47	11.62	9.36	78.4	
Q3181-10	WC-A3-03-C	5	1.16	10.64	11.8	9.39	77.3	
Q3196-01	FMC-9-24-25-1	6	1.13	10.36	11.49	6.75	54.2	
Q3196-02	FMC-9-24-25-2	7	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3196-03	FMC-9-24-25-3	8	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3196-04	FMC-9-24-25-4	9	1.18	10.09	11.27	6.81	55.8	
Q3196-05	FMC-9-24-25-5	10	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3197-01	72-11998	11	1.15	11.63	12.78	10.65	81.7	
Q3198-01	KZZ356V-END-1-1	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-02	KZZ356V-END-1-2	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-03	Y2308-0066-END-1-1	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3198-04	Y2308-0066-END-1-2	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3199-01	ELZ-25-000117	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3199-02	ELZ-25-00098	17	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3199-03	ELZ-25-000111	18	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-04	ELZ-25-000110	19	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-05	ELZ-25-000124	20	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-06	ELZ-25-000125	21	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3199-07	ELZ-25-00097	22	1.15	10.58	11.73	10.3	86.5	
Q3200-01	ETGI-367	23	1.15	11.89	13.04	10.92	82.2	
Q3200-02	ETGI-367	24	1.12	11.45	12.57	10.57	82.5	
Q3203-01	1	36	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-02	2	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-03	3	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3203-04	4	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137306

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3203-05	5	40	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-01	TRE-25-0103	41	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-02	TRE-25-0104	42	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3204-03	TRE-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3206-01	TR-06-092525	44	1.15	10.32	11.47	10.35	89.1	
Q3206-02	TR-06-092525-E2	45	1.16	10.44	11.6	10.54	89.8	
Q3208-01	SU-ESM-COMP-01	25	1.15	10.43	11.58	10.77	92.2	
Q3208-02	SU-ESM-VOC-01	26	1.13	10.57	11.7	10.3	86.8	
Q3208-03	SU-ESM-01	27	1.19	10.33	11.52	10.77	92.7	
Q3208-04	SU-ESM-02	28	1.14	10.15	11.29	10.54	92.6	
Q3208-05	SU-ESM-03	29	1.15	10.38	11.53	10.74	92.4	
Q3208-07	SU-ESM-COMP-02	30	1.13	10.73	11.86	10.99	91.9	
Q3208-08	SU-ESM-VOC-02	31	1.15	9.88	11.03	10.4	93.6	
Q3208-09	SU-ESM-04	32	1.19	10.84	12.03	10.99	90.4	
Q3208-10	SU-ESM-05	33	1.13	10.58	11.71	10.99	93.2	
Q3208-11	SU-ESM-06	34	1.11	10.73	11.84	11.06	92.7	
Q3208-12	SU-ESM-COMP-02	35	1.13	10.73	11.86	10.99	91.9	
Q3209-01	PL-02-092525	46	1.13	10.60	11.73	10.63	89.6	
Q3209-02	PL-02-092525-E2	47	1.14	10.44	11.58	10.58	90.4	
Q3210-01	SG-1	48	1.12	10.88	12.00	11.37	94.2	
Q3210-02	SG-1-E2	49	1.13	10.07	11.2	10.72	95.2	
Q3212-01	EO-03-092525	50	1.19	10.42	11.61	10.95	93.7	
Q3212-02	EO-03-092525-E2	51	1.12	10.44	11.56	10.81	92.8	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-092525

WorkList ID : 192061

Department : Wet-Chemistry

Date : 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3174-01	RPXY1	Solid	Percent Solids	Cool 4 deg C	GENV01	J33	09/25/2025	Chemtech -SO
Q3174-02	SBF1	Solid	Percent Solids	Cool 4 deg C	GENV01	J33	09/25/2025	Chemtech -SO
Q3181-02	WC-A3-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3181-06	WC-A3-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3181-10	WC-A3-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J33	09/24/2025	Chemtech -SO
Q3196-01	FMC-9-24-25-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-02	FMC-9-24-25-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-03	FMC-9-24-25-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-04	FMC-9-24-25-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3196-05	FMC-9-24-25-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3197-01	72-11998	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-01	KZZ356V-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-02	KZZ356V-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-03	Y2308-0066-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3198-04	Y2308-0066-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-01	ELZ-25-000117	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-02	ELZ-25-000098	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-03	ELZ-25-000111	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-04	ELZ-25-000110	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-05	ELZ-25-000124	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3199-06	ELZ-25-000125	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO

Date/Time 09/25/25 15:00

Raw Sample Received by: *[Signature]*

Raw Sample Relinquished by: *[Signature]*

Date/Time 09/25/25 17:25

Raw Sample Received by: *[Signature]*

Raw Sample Relinquished by: *[Signature]*

WORKLIST(Hardcopy Internal Chain)

13306

WorkList Name : %1-092525

WorkList ID : 192061

Department : Wet-Chemistry

Date : 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3199-07	ELZ-25-00097	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3200-01	ETGI-367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3200-02	ETGI-367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/24/2025	Chemtech -SO
Q3203-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3203-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-01	TRE-25-0103	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-02	TRE-25-0104	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3204-03	TRE-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3206-01	TR-06-092525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3206-02	TR-06-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3208-01	SU-ESM-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-02	SU-ESM-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-03	SU-ESM-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-04	SU-ESM-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-05	SU-ESM-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-07	SU-ESM-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-08	SU-ESM-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-09	SU-ESM-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO

Date/Time 09/25/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 09/25/25 17:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

12131306

WorkList Name : %1-092525

WorkList ID : 192061

Department : Wet-Chemistry

Date : 09-25-2025 08:08:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3208-10	SU-ESM-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-11	SU-ESM-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3208-12	SU-ESM-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3209-01	PL-02-092525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3209-02	PL-02-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3210-01	SG-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3210-02	SG-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/25/2025	Chemtech -SO
Q3212-01	EO-03-092525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO
Q3212-02	EO-03-092525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/25/2025	Chemtech -SO

Date/Time 09/25/25 15:00

Raw Sample Received by: Chen

Raw Sample Relinquished by: Chen

Date/Time 09/25/25 17:25

Raw Sample Received by: Chen

Raw Sample Relinquished by: Chen



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

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CHAIN OF CUSTODY RECORD

Alliance Project Number:

23181

COC Number: 2042113

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH *	I/C/R	PCBs	Oil & Grease	
1	2	3	4	5	6	7	8	9	
									* For TCLP pH - include preparatory information for TCLP leachate

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A3-01-G	Soil		X	9/24	12:00	1	X									
2.	WC-A3-01-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A3-02-G	Soil		X	9/24	12:00	1	X									
4.	WC-A3-02-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A3-03-G	Soil		X	9/24	12:00	1	X									
6.	WC-A3-03-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 9-24 12:00	RECEIVED BY 	1230	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0°C
RELINQUISHED BY	DATE/TIME	RECEIVED BY	9-24-25	Comments:
2.		2.		
RELINQUISHED BY	DATE/TIME 9-24-25	RECEIVED FOR LAB BY		
3.		3.		
Page _____ of _____				SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
				Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 3181

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH (9045D)	Paint Filter		
10	11	12	13	14	15	16		

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC-A3-01-G	Soil		X	9/24	12:00	1										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A3-01-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X			
3.	WC-A3-02-G	Soil		X	9/24	12:00	1										
4.	WC-A3-02-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X			
5.	WC-A3-03-G	Soil		X	9/24	12:00	1										
6.	WC-A3-03-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X			
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 9-24-12	RECEIVED BY 	1238 9-24-12	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3-0 C ☐ Ice in Cooler?
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY		Comments:
RELINQUISHED BY 	DATE/TIME 9-24-12	RECEIVED FOR LAB BY 3.		

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

Laboratory Certification

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