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Cover Page

Order ID : Q2078

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

Client : ENTACT

Lab Sample Number	Client Sample Number
Q2078-01	WC-A4-04-G
Q2078-02	WC-A4-04-C
Q2078-03	WC-A4-04-C
Q2078-04	WC-A4-04-C
Q2078-05	WC-A4-05-G
Q2078-06	WC-A4-05-C
Q2078-07	WC-A4-05-C
Q2078-08	WC-A4-05-C
Q2078-09	WC-A1-06A-G
Q2078-10	WC-A1-06A-C
Q2078-11	WC-A1-06A-C
Q2078-12	WC-A1-06A-C
Q2078-13	WC-A1-07A-G
Q2078-14	WC-A1-07A-C
Q2078-15	WC-A1-07A-C
Q2078-16	WC-A1-07A-C
Q2078-17	WC-A4-06-G
Q2078-18	WC-A4-06-C
Q2078-19	WC-A4-06-C
Q2078-20	WC-A4-06-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: 5/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

ENTACT
Project Name: 540 Degraw St, Brooklyn, NY - E9309
Project # N/A
Order ID # Q2078
Test Name: ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 05/19/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS and TVS. This data package contains results for ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of ASTM Oil and Grease was based on method 1664A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity,pH was based on method 9045D, The analysis of Oil and Grease was based on method 9071B, The analysis of Paint Filter was based on method 9095B, The analysis of ASTM TS,TS was based on method SM2540 B, The analysis of ASTM Ammonia was based on method SM4500-NH3 and The analysis of ASTM COD was based on method SM5220 D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for,
WC-A1-06A-C of pH,
WC-A1-06A-C of Corrosivity,
WC-A1-07A-C of pH,
WC-A1-07A-C of Corrosivity,
WC-A4-04-C of pH,
WC-A4-04-C of Corrosivity,
WC-A4-05-C of pH,
WC-A4-05-C of Corrosivity,

WC-A4-06-C of pH,
WC-A4-06-C of Corrosivity. As samples were received out of holding time.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.

The Matrix Spike (WC-A2-03-CMS) analysis met criteria for all samples except for Oil and Grease due to matrix interference.

The Matrix Spike Duplicate (WC-A2-03-CMSD) analysis met criteria for all samples except for Oil and Grease due to matrix interference.

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

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

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

Signature_____

Alliance TECHNICAL GROUP

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Tel. 908-789-8900 Fax: 908-789-8922

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2078**

	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: **PRATIK PATEL** **Date:** **05/28/2025**

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LAB CHRONICLE

OrderID:	Q2078	**OrderDate:**	5/19/2025 2:08:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2078-02	**WC-A4-04-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Oil and Grease	9071B			05/23/25 09:30	
			Paint Filter	9095B			05/20/25 08:40	
			pH	9045D			05/20/25 16:44	
			TS	SM2540 B			05/20/25 11:00	
			TVS	160.4			05/20/25 15:30	
Q2078-03	**WC-A4-04-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Corrosivity	9045D			05/20/25 16:44	
			Ignitability	1030			05/20/25 10:30	
			Reactive Cyanide	9012B		05/20/25	05/20/25 14:11	
			Reactive Sulfide	9034		05/20/25	05/20/25 11:20	
Q2078-04	**WC-A4-04-C**	**WATER**			**05/13/25 12:00**			**05/19/25**
			ASTM Ammonia	SM4500-NH3		05/21/25	05/22/25 13:41	
			ASTM COD	SM5220 D			05/22/25 13:22	
			ASTM Oil and Grease	1664A			05/21/25 15:25	

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LAB CHRONICLE

			ASTM TS	SM2540 B			05/22/25 11:00	
Q2078-06	**WC-A4-05-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Oil and Grease	9071B			05/23/25 09:30	
			Paint Filter	9095B			05/20/25 08:55	
			pH	9045D			05/20/25 16:48	
			TS	SM2540 B			05/20/25 11:00	
			TVS	160.4			05/20/25 15:30	
Q2078-07	**WC-A4-05-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Corrosivity	9045D			05/20/25 16:48	
			Ignitability	1030			05/20/25 10:45	
			Reactive Cyanide	9012B		05/20/25	05/20/25 14:11	
			Reactive Sulfide	9034		05/20/25	05/20/25 11:23	
Q2078-08	**WC-A4-05-C**	**WATER**			**05/13/25 12:00**			**05/19/25**
			ASTM Ammonia	SM4500-NH3		05/21/25	05/22/25 13:03	
			ASTM COD	SM5220 D			05/22/25 13:24	
			ASTM Oil and Grease	1664A			05/21/25 15:25	
			ASTM TS	SM2540 B			05/22/25 11:00	
Q2078-10	**WC-A1-06A-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Oil and Grease	9071B			05/23/25 09:30	

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			Paint Filter	9095B		05/20/25 09:02	
			pH	9045D		05/20/25 16:50	
			TS	SM2540 B		05/20/25 11:00	
			TVS	160.4		05/20/25 15:30	
Q2078-11	**WC-A1-06A-C**	**SOIL**			**05/13/25 12:00**		**05/19/25**
			Corrosivity	9045D		05/20/25 16:50	
			Ignitability	1030		05/20/25 10:52	
			Reactive Cyanide	9012B	05/20/25	05/20/25 14:11	
			Reactive Sulfide	9034	05/20/25	05/20/25 11:25	
Q2078-12	**WC-A1-06A-C**	**WATER**			**05/13/25 12:00**		**05/19/25**
			ASTM Ammonia	SM4500-NH3	05/21/25	05/22/25 13:03	
			ASTM COD	SM5220 D		05/22/25 13:24	
			ASTM Oil and Grease	1664A		05/21/25 15:25	
			ASTM TS	SM2540 B		05/22/25 11:00	
Q2078-14	**WC-A1-07A-C**	**SOIL**			**05/13/25 12:00**		**05/19/25**
			Oil and Grease	9071B		05/23/25 09:30	
			Paint Filter	9095B		05/20/25 09:10	
			pH	9045D		05/20/25 16:55	
			TS	SM2540 B		05/20/25 11:00	

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LAB CHRONICLE

			TVS	160.4			05/20/25 15:30	
Q2078-15	**WC-A1-07A-C**	**SOIL**			**05/13/25 12:00**			**05/19/25**
			Corrosivity	9045D			05/20/25 16:55	
			Ignitability	1030			05/20/25 11:00	
			Reactive Cyanide	9012B		05/20/25	05/20/25 14:11	
			Reactive Sulfide	9034		05/20/25	05/20/25 11:28	
Q2078-16	**WC-A1-07A-C**	**WATER**			**05/13/25 12:00**			**05/19/25**
			ASTM Ammonia	SM4500-NH3		05/21/25	05/22/25 13:03	
			ASTM COD	SM5220 D			05/22/25 13:25	
			ASTM Oil and Grease	1664A			05/21/25 15:25	
			ASTM TS	SM2540 B			05/22/25 11:00	
Q2078-18	**WC-A4-06-C**	**SOIL**			**05/14/25 12:00**			**05/19/25**
			Oil and Grease	9071B			05/23/25 09:30	
			Paint Filter	9095B			05/20/25 09:18	
			pH	9045D			05/20/25 17:00	
			TS	SM2540 B			05/20/25 11:00	
			TVS	160.4			05/20/25 15:30	
Q2078-19	**WC-A4-06-C**	**SOIL**			**05/14/25 12:00**			**05/19/25**
			Corrosivity	9045D			05/20/25 17:00	

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LAB CHRONICLE

			Ignitability	1030			05/20/25 11:08
			Reactive Cyanide	9012B		05/20/25	05/20/25 14:11
			Reactive Sulfide	9034		05/20/25	05/20/25 11:31
Q2078-20	**WC-A4-06-C**	**WATER**			**05/14/25 12:00**			**05/19/25**
			ASTM Ammonia	SM4500-NH3		05/21/25	05/22/25 13:11
			ASTM COD	SM5220 D			05/22/25 13:25
			ASTM Oil and Grease	1664A			05/21/25 15:25
			ASTM TS	SM2540 B			05/22/25 11:00

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SAMPLE DATA

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-04-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-02	Matrix:	SOIL
		% Solid:	76.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	667		1	7.59	32.7	mg/Kg		05/23/25 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/20/25 08:40	9095B
pH	12.1	H	1	0	0	pH		05/20/25 16:44	9045D
TS	76.7		1	1.00	5.00	%		05/20/25 11:00	SM 2540 B-15
TVS	3.90	J	1	1.00	10.0	%		05/20/25 15:30	160.4

Comments: pH result reported at temperature 20.8 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-04-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.1	H	1	0	0	pH		05/20/25 16:44	9045D
Ignitability	NO		1	0	0	oC		05/20/25 10:30	1030
Reactive Cyanide	0.012	J	1	0.0083	0.049	mg/Kg	05/20/25 10:45	05/20/25 14:11	9012B
Reactive Sulfide	1.58	J	1	0.20	10.0	mg/Kg	05/20/25 08:50	05/20/25 11:20	9034

Comments: pH result reported at temperature 20.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-04-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.42		1	0.030	0.10	mg/L	05/21/25 14:50	05/22/25 13:41	SM 4500-NH3 B plus NH3 G-11
ASTM COD	39.7		1	1.50	10.0	mg/L		05/22/25 13:22	SM 5220 D-11
ASTM Oil and Grease	0.29	U	1	0.29	5.00	mg/L		05/21/25 15:25	SW1664A
ASTM TS	1040		1	1.00	5.00	mg/L		05/22/25 11:00	SM 2540 B-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-05-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-06	Matrix:	SOIL
		% Solid:	79.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	340		1	7.32	31.5	mg/Kg		05/23/25 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/20/25 08:55	9095B
pH	12.2	H	1	0	0	pH		05/20/25 16:48	9045D
TS	79.4		1	1.00	5.00	%		05/20/25 11:00	SM 2540 B-15
TVS	3.50	J	1	1.00	10.0	%		05/20/25 15:30	160.4

Comments: pH result reported at temperature 20.1 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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H = Sample Analysis Out Of Hold Time

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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-05-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.2	H	1	0	0	pH		05/20/25 16:48	9045D
Ignitability	NO		1	0	0	oC		05/20/25 10:45	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	05/20/25 10:45	05/20/25 14:11	9012B
Reactive Sulfide	1.59	J	1	0.20	10.0	mg/Kg	05/20/25 08:50	05/20/25 11:23	9034

Comments: pH result reported at temperature 20.1 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-05-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.94		1	0.030	0.10	mg/L	05/21/25 14:50	05/22/25 13:03	SM 4500-NH3 B plus NH3 G-11
ASTM COD	65.6		1	1.50	10.0	mg/L		05/22/25 13:24	SM 5220 D-11
ASTM Oil and Grease	0.30	J	1	0.29	5.00	mg/L		05/21/25 15:25	SW1664A
ASTM TS	1180		1	1.00	5.00	mg/L		05/22/25 11:00	SM 2540 B-15

Comments:

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-06A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-10	Matrix:	SOIL
		% Solid:	76.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	111		1	7.55	32.5	mg/Kg		05/23/25 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/20/25 09:02	9095B
pH	12.1	H	1	0	0	pH		05/20/25 16:50	9045D
TS	76.6		1	1.00	5.00	%		05/20/25 11:00	SM 2540 B-15
TVS	2.40	J	1	1.00	10.0	%		05/20/25 15:30	160.4

Comments: pH result reported at temperature 20.5 °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

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

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-06A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.1	H	1	0	0	pH		05/20/25 16:50	9045D
Ignitability	NO		1	0	0	oC		05/20/25 10:52	1030
Reactive Cyanide	0.011	J	1	0.0084	0.050	mg/Kg	05/20/25 10:45	05/20/25 14:11	9012B
Reactive Sulfide	1.60	J	1	0.20	10.0	mg/Kg	05/20/25 08:50	05/20/25 11:25	9034

Comments: pH result reported at temperature 20.5 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-06A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.93		1	0.030	0.10	mg/L	05/21/25 14:50	05/22/25 13:03	SM 4500-NH3 B plus NH3 G-11
ASTM COD	17.8		1	1.50	10.0	mg/L		05/22/25 13:24	SM 5220 D-11
ASTM Oil and Grease	0.40	J	1	0.29	5.00	mg/L		05/21/25 15:25	SW1664A
ASTM TS	1220		1	1.00	5.00	mg/L		05/22/25 11:00	SM 2540 B-15

Comments:

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

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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-07A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-14	Matrix:	SOIL
		% Solid:	79.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	303		1	7.33	31.5	mg/Kg		05/23/25 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/20/25 09:10	9095B
pH	12.2	H	1	0	0	pH		05/20/25 16:55	9045D
TS	80.5		1	1.00	5.00	%		05/20/25 11:00	SM 2540 B-15
TVS	4.10	J	1	1.00	10.0	%		05/20/25 15:30	160.4

Comments: pH result reported at temperature 20.8 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-07A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-15	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.2	H	1	0	0	pH		05/20/25 16:55	9045D
Ignitability	NO		1	0	0	oC		05/20/25 11:00	1030
Reactive Cyanide	0.010	J	1	0.0083	0.049	mg/Kg	05/20/25 10:45	05/20/25 14:11	9012B
Reactive Sulfide	1.58	J	1	0.20	10.0	mg/Kg	05/20/25 08:50	05/20/25 11:28	9034

Comments: pH result reported at temperature 20.8 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A1-07A-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-16	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.64		1	0.030	0.10	mg/L	05/21/25 14:50	05/22/25 13:03	SM 4500-NH3 B plus NH3 G-11
ASTM COD	36.7		1	1.50	10.0	mg/L		05/22/25 13:25	SM 5220 D-11
ASTM Oil and Grease	0.50	J	1	0.29	5.00	mg/L		05/21/25 15:25	SW1664A
ASTM TS	921		1	1.00	5.00	mg/L		05/22/25 11:00	SM 2540 B-15

Comments:

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

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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/14/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-06-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-18	Matrix:	SOIL
		% Solid:	79.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	283		1	7.31	31.4	mg/Kg		05/23/25 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/20/25 09:18	9095B
pH	12.1	H	1	0	0	pH		05/20/25 17:00	9045D
TS	78.9		1	1.00	5.00	%		05/20/25 11:00	SM 2540 B-15
TVS	2.30	J	1	1.00	10.0	%		05/20/25 15:30	160.4

Comments: pH result reported at temperature 20.9 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/14/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-06-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-19	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.1	H	1	0	0	pH		05/20/25 17:00	9045D
Ignitability	NO		1	0	0	oC		05/20/25 11:08	1030
Reactive Cyanide	0.010	J	1	0.0084	0.050	mg/Kg	05/20/25 10:45	05/20/25 14:11	9012B
Reactive Sulfide	1.58	J	1	0.20	10.0	mg/Kg	05/20/25 08:50	05/20/25 11:31	9034

Comments: pH result reported at temperature 20.9 °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

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Report of Analysis

Client:	ENTACT	Date Collected:	05/14/25 12:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A4-06-C	SDG No.:	Q2078
Lab Sample ID:	Q2078-20	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.65		1	0.030	0.10	mg/L	05/21/25 14:50	05/22/25 13:11	SM 4500-NH3 B plus NH3 G-11
ASTM COD	44.7		1	1.50	10.0	mg/L		05/22/25 13:25	SM 5220 D-11
ASTM Oil and Grease	0.40	J	1	0.29	5.00	mg/L		05/21/25 15:25	SW1664A
ASTM TS	898		1	1.00	5.00	mg/L		05/22/25 11:00	SM 2540 B-15

Comments:

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

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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: ENTACT **SDG No.:** Q2078

Project: 540 Degraw St, Brooklyn, NY - E9309 **RunNo.:** LB135848

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.091	0.099	92	85-115	05/20/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/20/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/20/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/20/2025
Sample ID: CCV4						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	05/20/2025

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Initial and Continuing Calibration Verification

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135851

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.01	7	100	90-110	05/20/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	05/20/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	05/20/2025

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Initial and Continuing Calibration Verification

Client: ENTACT **SDG No.:** Q2078

Project: 540 Degraw St, Brooklyn, NY - E9309 **RunNo.:** LB135852

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
Corrosivity	pH	7.01	7	100	90-110	05/20/2025
Sample ID: **CCV1**						
Corrosivity	pH	2.01	2.00	101	90-110	05/20/2025
Sample ID: **CCV2**						
Corrosivity	pH	12.02	12.00	100	90-110	05/20/2025
Sample ID: **CCV3**						
Corrosivity	pH	2.01	2.00	101	90-110	05/20/2025

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Initial and Continuing Calibration Verification

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135884

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
ASTM COD		mg/L	49.668	50	99	95-105	05/20/2025
Sample ID:	**CCV1**						
ASTM COD		mg/L	48.673	50	97	95-105	05/22/2025
Sample ID:	**CCV2**						
ASTM COD		mg/L	51.657	50	103	95-105	05/22/2025
Sample ID:	**CCV3**						
ASTM COD		mg/L	50.662	50	101	95-105	05/22/2025

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Initial and Continuing Calibration Verification

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135885

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
ASTM Ammonia		mg/L	1	1	100	90-110	05/22/2025
Sample ID:	CCV1						
ASTM Ammonia		mg/L	1	1	100	90-110	05/22/2025
Sample ID:	CCV2						
ASTM Ammonia		mg/L	1	1	100	90-110	05/22/2025
Sample ID:	CCV3						
ASTM Ammonia		mg/L	1	1	100	90-110	05/22/2025

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Initial and Continuing Calibration Verification

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135885

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.:** Q2078

Project: 540 Degraw St, Brooklyn, NY - E9309 **RunNo.:** LB135848

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00096	0.005	05/20/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.001	0.0025	J	0.00096	0.005	05/20/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	05/20/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	05/20/2025
Sample ID: CCB4							
Reactive Cyanide	mg/L	0.00097	0.0025	J	0.00096	0.005	05/20/2025

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Initial and Continuing Calibration Blank Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135884

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	05/20/2025
Sample ID:	CCB1							
ASTM COD		mg/L	1.925	5.0000	J	1.50	10	05/22/2025
Sample ID:	CCB2							
ASTM COD		mg/L	1.925	5.0000	J	1.50	10	05/22/2025
Sample ID:	CCB3							
ASTM COD		mg/L	1.925	5.0000	J	1.50	10	05/22/2025

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Initial and Continuing Calibration Blank Summary

Client: ENTACT **SDG No.:** Q2078

Project: 540 Degraw St, Brooklyn, NY - E9309 **RunNo.:** LB135885

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	05/22/2025
Sample ID: CCB1							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.030	0.1	05/22/2025
Sample ID: CCB2							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.030	0.1	05/22/2025
Sample ID: CCB3							
ASTM Ammonia	mg/L	0.032	0.0500	J	0.030	0.1	05/22/2025

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Initial and Continuing Calibration Blank Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**RunNo.:**	LB135885

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date

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Preparation Blank Summary

Client: ENTACT **SDG No.:** Q2078

Project: 540 Degraw St, Brooklyn, NY - E9309

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135845BL							
TS	%	< 2.5000	2.5000	U	1	5	05/20/2025
Sample ID: LB135846BL							
TVS	%	< 5.0000	5.0000	U	1	10	05/20/2025
Sample ID: LB135872BL							
ASTM Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	05/21/2025
Sample ID: LB135879BL							
ASTM TS	mg/L	1	2.5000	J	1	5	05/22/2025
Sample ID: LB135884BL							
ASTM COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	05/22/2025
Sample ID: LB135900BL							
Oil and Grease	mg/Kg	< 12.5000	12.5000	U	5.8	25	05/23/2025
Sample ID: PB168061BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	05/20/2025
Sample ID: PB168070BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	05/20/2025
Sample ID: PB168114BL							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.03	0.1	05/22/2025
Sample ID: PB168114TB							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.03	0.1	05/22/2025

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Matrix Spike Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-04
Client ID: WC-A4-04-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 Ammonia	mg/L	75-125	1.40		0.42		1	1	98		05/22/2025
ASTM COD	mg/L	75-125	82.5		39.7		50.0	1	86		05/22/2025
ASTM Oil and Grease	mg/L	78-114	20.2		0.29	U	20.0	1	101		05/21/2025

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Matrix Spike Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-04
Client ID: WC-A4-04-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 Ammonia	mg/L	75-125	1.50		0.42		1	1	108		05/22/2025
ASTM COD	mg/L	75-125	80.5		39.7		50.0	1	82		05/22/2025
ASTM Oil and Grease	mg/L	78-114	20.3		0.29	U	20.0	1	102		05/21/2025

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Matrix Spike Summary

Client: ENTACT
Project: 540 Degraw St, Brooklyn, NY - E9309
Client ID: WC-A2-03-CMS

SDG No.: Q2078
Sample ID: Q2079-10
Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	369		194		125	1	140	*	05/23/2025

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Matrix Spike Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2079-10
Client ID: WC-A2-03-CMSD
Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	412		194		125	1	175	*	05/23/2025

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

Duplicate Sample Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2071-04
Client ID: L1-WC-7DUP
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	1.59	J	1.59	J	1	0		05/20/2025
Reactive Cyanide	mg/Kg	+/-20	0.011	J	0.010	J	1	10		05/20/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-02
Client ID: WC-A4-04-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
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		05/20/2025
TS	%	+/-5	76.7		76.5		1	0.26		05/20/2025
TVS	%	+/-5	3.90	J	3.80	J	1	2.6		05/20/2025
pH	pH	+/-20	12.1		12.1		1	0.08		05/20/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-03
Client ID: WC-A4-04-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
Ignitability	oC	+/-20	NO		NO		1	0		05/20/2025
Corrosivity	pH	+/-20	12.1		12.1		1	0.08		05/20/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-04
Client ID: WC-A4-04-CDUP
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	0.29	U	0.29	U	1	0		05/21/2025
ASTM TS	mg/L	+/-5	1040		1040		1	0.1		05/22/2025
ASTM COD	mg/L	+/-20	39.7		40.7		1	2.49		05/22/2025
ASTM Ammonia	mg/L	+/-20	0.42		0.46		1	9		05/22/2025

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

Duplicate Sample Summary

Client: ENTACT
SDG No.: Q2078
Project: 540 Degraw St, Brooklyn, NY - E9309
Sample ID: Q2078-04
Client ID: WC-A4-04-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	20.2		20.3		1	0.49		05/21/2025
ASTM COD	mg/L	+/-20	82.5		80.5		1	2.45		05/22/2025
ASTM Ammonia	mg/L	+/-20	1.40		1.50		1	7		05/22/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: ENTACT
Project: 540 Degraw St, Brooklyn, NY - E9309
Client ID: WC-A2-03-CDUP
SDG No.: Q2078
Sample ID: Q2079-10
Percent Solids for Spike Sample: 79.9

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	194		206		1	6.3		05/23/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: ENTACT
Project: 540 Degraw St, Brooklyn, NY - E9309
Client ID: WC-A2-03-CMSD
SDG No.: Q2078
Sample ID: Q2079-10
Percent Solids for Spike Sample: 79.9

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	369		412		1	11.15		05/23/2025

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Laboratory Control Sample Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**Run No.:**	LB135872

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135872BS								
ASTM Oil and Grease	**mg/L**	**20.0**	**16.7**		**84**	**1**	**78-114**	**05/21/2025**

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Laboratory Control Sample Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**Run No.:**	LB135884

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB135884BS**								
ASTM COD	**mg/L**	**50**	**49.7**		**99**	**1**	**90-110**	**05/22/2025**

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Laboratory Control Sample Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**Run No.:**	LB135900

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135900BS								
Oil and Grease	mg/Kg	100	94.8		95	1	80-120	05/23/2025

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Laboratory Control Sample Summary

Client:	ENTACT	**SDG No.:**	Q2078
Project:	540 Degraw St, Brooklyn, NY - E9309	**Run No.:**	LB135885

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB168114BS								
ASTM Ammonia	**mg/L**	**1**	**0.99**		**99**	**1**	**90-110**	**05/22/2025**

RAW DATA

Reviewed By:Iwona
On:5/20/2025 2:15:38 PM
Inst Id :FLAME
LB :LB135841

Analytical Summary Report

Analysis Method: 1030 **Reviewed By:** Eman

Parameter: Ignitability **Supervisor Review By:** Iwona

Run Number: LB135841

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	Q2078-03	WC-A4-04-C	1	Solid	NO	0.00	05/20/2025	10:30
2	Q2078-03DUP	WC-A4-04-CDUP	1	Solid	NO	0.00	05/20/2025	10:38
3	Q2078-07	WC-A4-05-C	1	Solid	NO	0.00	05/20/2025	10:45
4	Q2078-11	WC-A1-06A-C	1	Solid	NO	0.00	05/20/2025	10:52
5	Q2078-15	WC-A1-07A-C	1	Solid	NO	0.00	05/20/2025	11:00
6	Q2078-19	WC-A4-06-C	1	Solid	NO	0.00	05/20/2025	11:08
7	Q2079-03	WC-A2-01-C	1	Solid	NO	0.00	05/20/2025	11:15
8	Q2079-07	WC-A2-02-C	1	Solid	NO	0.00	05/20/2025	11:22
9	Q2079-11	WC-A2-03-C	1	Solid	NO	0.00	05/20/2025	11:30
10	Q2080-06	PL-HRH-COMP-01	1	Solid	NO	0.00	05/20/2025	11:38
11	Q2080-12	PL-HRH-COMP-02	1	Solid	NO	0.00	05/20/2025	11:45
12	Q2084-05	OR-640-COMP-66	1	Solid	NO	0.00	05/20/2025	11:52

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

WORKLIST(Hardcopy Internal Chain)

LB135841

WorkList Name : ign-5-20 **WorkList ID :** 189642 **Department :** Wet-Chemistry **Date :** 05-20-2025 08:15:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-03	WC-A4-04-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/13/2025	1030
Q2078-07	WC-A4-05-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/13/2025	1030
Q2078-11	WC-A1-06A-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/13/2025	1030
Q2078-15	WC-A1-07A-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/13/2025	1030
Q2078-19	WC-A4-06-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/13/2025	1030
Q2079-03	WC-A2-01-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L41	05/14/2025	1030
Q2079-07	WC-A2-02-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	05/13/2025	1030
Q2079-11	WC-A2-03-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	05/13/2025	1030
Q2080-06	PL-HRH-COMP-01	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	05/13/2025	1030
Q2080-12	PL-HRH-COMP-02	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	05/19/2025	1030
Q2084-05	OR-640-COMP-66	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	05/19/2025	1030
					PSEG03	L41	05/19/2025	1030

Date/Time 05/20/2025 10:20
Raw Sample Received by: EM (WC)
Raw Sample Relinquished by: SM

Date/Time 05/20/2025 12:20
Raw Sample Received by: SM
Raw Sample Relinquished by: EM (WC)

Reviewed By:Iwona
On:5/20/2025 2:15:20 PM
Inst Id :Filter/Gravimetric

Analytical Summary Report

Analysis Method: 9095B
Reviewed By: Eman
Parameter: Paint Filter
Supervisor Review By: Iwona
Run Number: LB135842
BalanceID: WC SC-7

Seq	LabID	ClientID	Dilution	Weight(g)	Inst.Conc (ml/100g)	Anal Date	Anal Time
1	Q2078-02	WC-A4-04-C	1	100.06	0.00	05/20/2025	08:40
2	Q2078-02DUP	WC-A4-04-CDUP	1	100.05	0.00	05/20/2025	08:48
3	Q2078-06	WC-A4-05-C	1	100.03	0.00	05/20/2025	08:55
4	Q2078-10	WC-A1-06A-C	1	100.09	0.00	05/20/2025	09:02
5	Q2078-14	WC-A1-07A-C	1	100.01	0.00	05/20/2025	09:10
6	Q2078-18	WC-A4-06-C	1	100.05	0.00	05/20/2025	09:18
7	Q2079-02	WC-A2-01-C	1	100.04	0.00	05/20/2025	09:25
8	Q2079-06	WC-A2-02-C	1	100.04	0.00	05/20/2025	09:33
9	Q2079-10	WC-A2-03-C	1	100.07	0.00	05/20/2025	09:40
10	Q2080-01	PL-HRH-COMP-01	1	100.03	0.00	05/20/2025	09:48
11	Q2080-07	PL-HRH-COMP-02	1	100.02	0.00	05/20/2025	09:55

WORKLIST(Hardcopy Internal Chain)

Lb1358 42

WorkList Name : pf-05-20 **WorkList ID :** 189640 **Department :** Wet-Chemistry **Date :** 05-20-2025 08:15:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/13/2025	9095B
Q2078-06	WC-A4-05-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/13/2025	9095B
Q2078-10	WC-A1-06A-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/13/2025	9095B
Q2078-14	WC-A1-07A-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/13/2025	9095B
Q2078-18	WC-A4-06-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/13/2025	9095B
Q2079-02	WC-A2-01-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L41	05/14/2025	9095B
Q2079-06	WC-A2-02-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	05/13/2025	9095B
Q2079-10	WC-A2-03-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	05/13/2025	9095B
Q2080-01	PL-HRH-COMP-01	Solid	Paint Filter	Cool 4 deg C	PSEG03	L31	05/19/2025	9095B
Q2080-07	PL-HRH-COMP-02	Solid	Paint Filter	Cool 4 deg C	PSEG03	L31	05/19/2025	9095B

Date/Time 05/20/2025 8:30

Raw Sample Received by: EM (WC)

Raw Sample Relinquished by: SM

Date/Time 05/20/2025 10:15

Raw Sample Received by:

Raw Sample Relinquished by: EM (WC)

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona
ANALYST: jignesh
Date: 05/20/2025
Run Number: LB135845
BalanceID: WC SC-6
OvenID: WC OVEN-1
ThermometerID: WET OVEN#1

TEMP1 IN:	104 °C	05/20/2025 11:00	**TEMP1 OUT:**	104 °C	05/20/2025 12:00
TEMP2 IN:	103 °C	05/20/2025 12:30	**TEMP2 OUT:**	103 °C	05/20/2025 13:30
TEMP3 IN:	104 °C	05/20/2025 15:30	**TEMP3 OUT:**	103 °C	05/21/2025 07:30
TEMP4 IN:	104 °C	05/21/2025 08:00	**TEMP4 OUT:**	104 °C	05/21/2025 09:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Dish + Sample Weight (g)	Orignal 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	LB135845BL	LB135845BL	85.9631	85.9631	85.9631	85.9631	85.9631	85.9631	0.0000	0
2	Q2078-02	WC-A4-04-C	55.8873	55.8873	76.9135	72.0122	72.0122	72.0122	16.1249	76.7
3	Q2078-02DUP	WC-A4-04-CDUP	58.3234	58.3234	81.072	75.7256	75.7256	75.7256	17.4022	76.5
4	Q2078-06	WC-A4-05-C	59.3988	59.3988	81.1264	76.6526	76.6526	76.6526	17.2538	79.4
5	Q2078-10	WC-A1-06A-C	82.3526	82.3526	103.5234	98.5723	98.5723	98.5723	16.2197	76.6
6	Q2078-14	WC-A1-07A-C	78.4044	78.4044	100.0327	95.8137	95.8137	95.8137	17.4093	80.5
7	Q2078-18	WC-A4-06-C	78.4677	78.4677	99.4991	95.0573	95.0573	95.0573	16.5896	78.9
8	Q2079-02	WC-A2-01-C	53.5577	53.5577	76.8122	71.0036	71.0036	71.0036	17.4459	75
9	Q2079-06	WC-A2-02-C	158.7050	158.7050	192.2074	185.6025	185.6025	185.6020	26.8975	80.3
10	Q2079-10	WC-A2-03-C	143.5521	143.5521	176.9289	170.6126	170.6126	170.6130	27.0605	81.1

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

Result % = (C - A) * 100 / (B - A)

WORKLIST(Hardcopy Internal Chain)

LB 135845

WorkList Name : ts q2078 **WorkList ID :** 189633 **Department :** Wet-Chemistry **Date :** 05-20-2025 12:28:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-06	WC-A4-05-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-10	WC-A1-06A-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-14	WC-A1-07A-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-18	WC-A4-06-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2079-02	WC-A2-01-C	Solid	TS	Cool 4 deg C	ENTA05	L41	05/14/2025	SM2540 B
Q2079-06	WC-A2-02-C	Solid	TS	Cool 4 deg C	ENTA05	L31	05/13/2025	SM2540 B
Q2079-10	WC-A2-03-C	Solid	TS	Cool 4 deg C	ENTA05	L31	05/13/2025	SM2540 B

Date/Time 05/20/25 13:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JD CSM

Date/Time 05/20/25 16:00
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: [signature]

TOTAL VOLATILE SOLIDS 160.4

TEMP1 IN:	104 °C 05/20/2025 15:30	**TEMP1 OUT:**	103 °C 05/21/2025 07:30	**Run Number:**	LB135846
TEMP2 IN:	104 °C 05/21/2025 08:00	**TEMP2 OUT:**	104 °C 05/21/2025 09:30	**SUPERVISOR:**	Iwona
TEMP3 IN:	550 °C 05/21/2025 10:00	**TEMP3 OUT:**	540 °C 05/21/2025 11:30	**ANALYST:**	jignesh
TEMP4 IN:	550 °C 05/21/2025 12:00	**TEMP4 OUT:**	550 °C 05/21/2025 14:30	**BalanceID:**	WC SC-6
				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	LB135846BL	85.9631	85.9631	85.9631	85.9631	85.9631	85.9631	85.9631	0.0000	0
2	Q2078-02	55.8873	55.8873	76.9135	72.0122	72.0122	71.3889	71.3889	0.6233	3.9
3	Q2078-02DUP	58.3234	58.3234	81.072	75.7256	75.7256	75.0629	75.0629	0.6627	3.8
4	Q2078-06	59.3988	59.3988	81.1264	76.6526	76.6526	76.0540	76.0540	0.5986	3.5
5	Q2078-10	82.3526	82.3526	103.5234	98.5723	98.5723	98.1827	98.1827	0.3896	2.4
6	Q2078-14	78.4044	78.4044	100.0327	95.8137	95.8137	95.1086	95.1086	0.7051	4.1
7	Q2078-18	78.4677	78.4677	99.4991	95.0573	95.0573	94.6727	94.6727	0.3846	2.3
8	Q2079-02	53.5577	53.5577	76.8122	71.0036	71.0036	70.4875	70.4875	0.5161	3
9	Q2079-06	158.7050	158.7050	192.2074	185.6025	185.6025	184.9690	184.9690	0.6335	2.4
10	Q2079-10	143.5521	143.5521	176.9289	170.6126	170.6126	169.9927	169.9927	0.6199	2.3

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

LB135846

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tvs q2078 **WorkList ID :** 189634 **Department :** Wet-Chemistry **Date :** 05-20-2025 12:28:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/13/2025	160.4
Q2078-06	WC-A4-05-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/13/2025	160.4
Q2078-10	WC-A1-06A-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/13/2025	160.4
Q2078-14	WC-A1-07A-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/13/2025	160.4
Q2078-18	WC-A4-06-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/13/2025	160.4
Q2079-02	WC-A2-01-C	Solid	TVS	Cool 4 deg C	ENTA05	L41	05/14/2025	160.4
Q2079-06	WC-A2-02-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	05/13/2025	160.4
Q2079-10	WC-A2-03-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	05/13/2025	160.4

Date/Time 05/20/25 13:00
Raw Sample Received by: JB (WC)
Raw Sample Relinquished by: JD (CSM)

Date/Time 05/20/25 16:00
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: JB (WC)

CHEMTECH

Analytical Summary Report

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB135847

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE,0.025N,4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB168070BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	05/20/2025	11:00
2	Q2071-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/20/2025	11:03
3	Q2071-04DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/20/2025	11:06
4	Q2071-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	05/20/2025	11:08
5	Q2071-12		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	05/20/2025	11:10
6	Q2071-16		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	05/20/2025	11:13
7	Q2071-20		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	05/20/2025	11:15
8	Q2076-01		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/20/2025	11:18
9	Q2078-03		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/20/2025	11:20
10	Q2078-07		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/20/2025	11:23
11	Q2078-11		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	05/20/2025	11:25
12	Q2078-15		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/20/2025	11:28

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

CHEMTECH

Analytical Summary Report

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB135847

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE,0.025N,4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
13	Q2078-19		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/20/2025	11:31
14	Q2079-03		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	05/20/2025	11:33
15	Q2079-07		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	05/20/2025	11:35
16	Q2079-11		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	05/20/2025	11:38
17	Q2080-06		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/20/2025	11:40
18	Q2080-12		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	05/20/2025	11:43
19	Q2084-05		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/20/2025	11:45

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

LB135848

Test results | Aquakem 7.2AQ1 | Page: 1

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

Reviewed by : 12 | Instrument ID : Konelab

5/20/2025 14:29

Test: Total CN

Sample Id	Result	Dil.	1 +	Response	Errors
ICV1	90.588	0.0		0.078	
ICB1	1.320	0.0		0.001	
CCV1	240.925	0.0		0.209	
CCB1	1.017	0.0		0.001	
PB168060BL	1.022	0.0		0.001	
Q2065-01	0.887	0.0		0.001	
Q2067-01	0.838	0.0		0.001	
Q2067-01DUP	0.908	0.0		0.001	
Q2068-03	0.989	0.0		0.001	
PB168061BL	0.596	0.0		0.000	
Q2071-04DUP	1.002	0.0		0.001	
Q2071-04	1.068	0.0		0.001	
Q2071-08	0.965	0.0		0.001	
Q2071-12	1.038	0.0		0.001	
CCV2	237.215	0.0		0.206	
CCB2	1.070	0.0		0.001	
Q2071-16	1.232	0.0		0.001	
Q2071-20	1.055	0.0		0.001	
Q2076-01	1.082	0.0		0.001	
Q2078-03	1.258	0.0		0.001	
Q2078-07	0.415	0.0		0.000	
Q2078-11	1.066	0.0		0.001	
Q2078-15	1.055	0.0		0.001	
Q2078-19	1.042	0.0		0.001	
Q2079-03	1.050	0.0		0.001	
Q2079-07	0.679	0.0		0.001	
CCV3	243.125	0.0		0.211	
CCB3	1.135	0.0		0.001	
Q2079-11	1.075	0.0		0.001	
Q2080-06	1.135	0.0		0.001	
Q2080-12	1.305	0.0		0.001	
Q2084-05	0.958	0.0		0.001	
CCV4	249.725	0.0		0.216	
CCB4	0.969	0.0		0.001	

N	34
Mean	32.083
SD	79.5878
CV%	248.07

Aquakem v. 7.2AQ1
Results from time period:
Tue May 20 12:28:11 2025
Tue May 20 14:24:37 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	0.7836	µg/l	5/20/2025 12:28:11	
5.0PPBCN	A	Total CN	P	5.4261	µg/l	5/20/2025 12:28:12	
10PPBCN	A	Total CN	P	10.6085	µg/l	5/20/2025 12:28:13	
50PPBCN	A	Total CN	P	49.7028	µg/l	5/20/2025 12:28:14	
100PPBCN	A	Total CN	P	96.9982	µg/l	5/20/2025 12:28:15	
250PPBCN	A	Total CN	P	251.7342	µg/l	5/20/2025 12:28:16	
500PPBCN	A	Total CN	P	499.7465	µg/l	5/20/2025 12:28:17	
ICV1	S	Total CN	P	90.5877	µg/l	5/20/2025 13:56:07	
ICB1	S	Total CN	P	1.3201	µg/l	5/20/2025 13:56:09	
CCV1	S	Total CN	P	240.9253	µg/l	5/20/2025 13:56:10	
CCB1	S	Total CN	P	1.0173	µg/l	5/20/2025 13:56:12	
PB168060BL	S	Total CN	P	1.0221	µg/l	5/20/2025 13:56:14	
Q2065-01	S	Total CN	P	0.8866	µg/l	5/20/2025 13:56:16	
Q2067-01	S	Total CN	P	0.8377	µg/l	5/20/2025 14:03:41	
Q2067-01DUP	S	Total CN	P	0.9075	µg/l	5/20/2025 14:03:42	
Q2068-03	S	Total CN	P	0.9886	µg/l	5/20/2025 14:03:43	
PB168061BL	S	Total CN	P	0.5962	µg/l	5/20/2025 14:03:44	
Q2071-04DUP	S	Total CN	P	1.0016	µg/l	5/20/2025 14:03:45	
Q2071-04	S	Total CN	P	1.0681	µg/l	5/20/2025 14:03:46	
Q2071-08	S	Total CN	P	0.9652	µg/l	5/20/2025 14:03:47	
Q2071-12	S	Total CN	P	1.0384	µg/l	5/20/2025 14:03:48	
CCV2	S	Total CN	P	237.2155	µg/l	5/20/2025 14:03:51	
CCB2	S	Total CN	P	1.0703	µg/l	5/20/2025 14:11:16	
Q2071-16	S	Total CN	P	1.2318	µg/l	5/20/2025 14:11:18	
Q2071-20	S	Total CN	P	1.0549	µg/l	5/20/2025 14:11:19	
Q2076-01	S	Total CN	P	1.0817	µg/l	5/20/2025 14:11:20	
Q2078-03	S	Total CN	P	1.2575	µg/l	5/20/2025 14:11:21	
Q2078-07	S	Total CN	P	0.415	µg/l	5/20/2025 14:11:22	
Q2078-11	S	Total CN	P	1.0661	µg/l	5/20/2025 14:11:23	
Q2078-15	S	Total CN	P	1.0555	µg/l	5/20/2025 14:11:24	
Q2078-19	S	Total CN	P	1.0419	µg/l	5/20/2025 14:11:25	
Q2079-03	S	Total CN	P	1.0499	µg/l	5/20/2025 14:18:48	
Q2079-07	S	Total CN	P	0.6794	µg/l	5/20/2025 14:18:49	
CCV3	S	Total CN	P	243.1246	µg/l	5/20/2025 14:18:53	
CCB3	S	Total CN	P	1.1351	µg/l	5/20/2025 14:18:54	
Q2079-11	S	Total CN	P	1.0751	µg/l	5/20/2025 14:18:56	
Q2080-06	S	Total CN	P	1.1355	µg/l	5/20/2025 14:18:57	
Q2080-12	S	Total CN	P	1.3052	µg/l	5/20/2025 14:18:58	
Q2084-05	S	Total CN	P	0.9581	µg/l	5/20/2025 14:24:31	
CCV4	S	Total CN	P	249.7252	µg/l	5/20/2025 14:24:34	
CCB4	S	Total CN	P	0.9692	µg/l	5/20/2025 14:24:37	

Calibration results Aquakem 7.2AQ1 Page: 1

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

Reviewed by : 12 Instrument ID : Konelab

5/20/2025 13:09

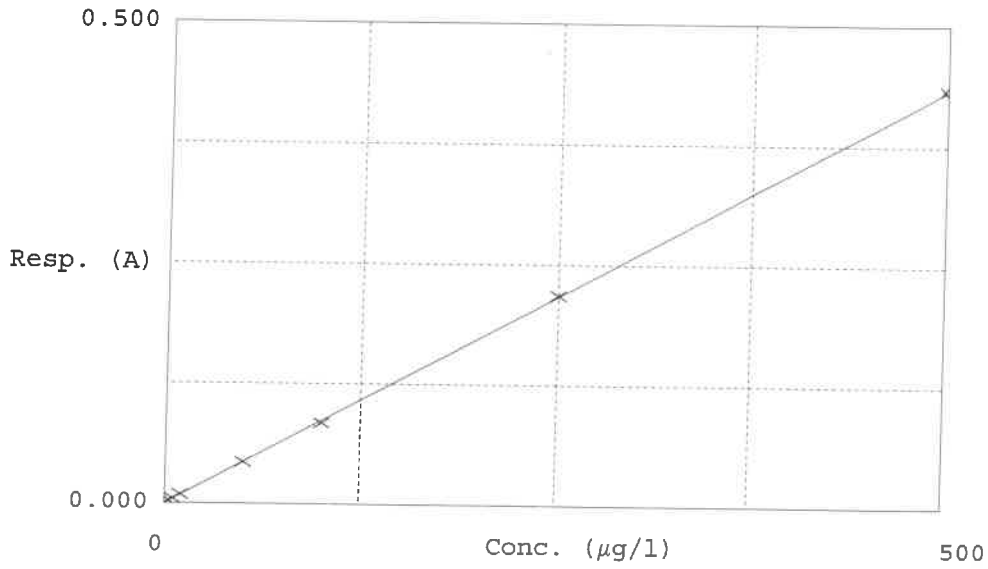
Test Total CN

Accepted 5/20/2025 13:09

Factor 1154
Bias 0

Coeff. of det. 0.999935

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	0.7836	0.0000	—
2	5.0PPBCN	0.005	5.4261	5.0000	8.5
3	10PPBCN	0.009	10.6085	10.0000	6.1
4	50PPBCN	0.043	49.7028	50.0000	-0.6
5	100PPBCN	0.084	96.9982	100.0000	-3.0
6	250PPBCN	0.218	251.7342	250.0000	0.7
7	500PPBCN	0.433	499.7465	500.0000	-0.1

12
5/20/25

Reviewed By:Iwona
On:5/21/2025 1:58:08 PM
Inst Id :WC PH METER-1

Analytical Summary Report

Analysis Method: 9045D
Analyst By : jignesh
Parameter: pH
Supervisor Review By : Iwona
Run Number: LB135851
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	W3071
Buffer Solution, PH2 (500ml)	W3161
Buffer Solution, PH12 (500ml)	W3072

True Value of ICV = 7.00 Control Limits[+/- 0.05].

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	20.3	4.01	05/20/2025	16:30
2	CAL2	1	Water	NA	NA	20.2	7.00	05/20/2025	16:31
3	CAL3	1	Water	NA	NA	20.2	10.02	05/20/2025	16:33
4	ICV	1	Water	NA	NA	20.2	7.01	05/20/2025	16:34
5	CCV1	1	Water	NA	NA	20.2	2.01	05/20/2025	16:35
6	Q2078-02	1	Solid	20.02	20	20.8	12.12	05/20/2025	16:44
7	Q2078-02DUP	1	Solid	20.03	20	20.9	12.13	05/20/2025	16:45
8	Q2078-06	1	Solid	20.02	20	20.1	12.16	05/20/2025	16:48
9	Q2078-10	1	Solid	20.03	20	20.5	12.14	05/20/2025	16:50
10	Q2078-14	1	Solid	20.04	20	20.8	12.16	05/20/2025	16:55
11	Q2078-18	1	Solid	20.03	20	20.9	12.07	05/20/2025	17:00
12	Q2079-02	1	Solid	20.02	20	20.1	12.11	05/20/2025	17:02
13	Q2079-06	1	Solid	20.03	20	20.4	12.05	05/20/2025	17:05
14	Q2079-10	1	Solid	20.05	20	20.1	12.13	05/20/2025	17:10
15	CCV2	1	Water	NA	NA	20.1	12.02	05/20/2025	17:11

WORKLIST(Hardcopy Internal Chain)

VB B5851

WorkList Name : ph q2079 **WorkList ID :** 189643 **Department :** Wet-Chemistry **Date :** 05-20-2025 12:33:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	pH	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-06	WC-A4-05-C	Solid	pH	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-10	WC-A1-06A-C	Solid	pH	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-14	WC-A1-07A-C	Solid	pH	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-18	WC-A4-06-C	Solid	pH	Cool 4 deg C	ENTA05	L41	05/14/2025	9045D
Q2079-02	WC-A2-01-C	Solid	pH	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D
Q2079-06	WC-A2-02-C	Solid	pH	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D
Q2079-10	WC-A2-03-C	Solid	pH	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D

Date/Time 05/20/25 10:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/20/25 18:35

Raw Sample Received by:

Raw Sample Relinquished by:

Reviewed By:Iwona
On:5/21/2025 1:56:44 PM
Inst Id :WC PH METER-1

Analytical Summary Report

Analysis Method: 9045D
Analyst By : jignesh
Parameter: Corrosivity
Supervisor Review By : Iwona
Run Number: LB135852
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	W3071
Buffer Solution, PH2 (500ml)	W3161
Buffer Solution, PH12 (500ml)	W3072

True Value of ICV = 7.00 Control Limits[+/- 0.05].

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	05/20/2025	16:30
2	CAL2	1	Water	NA	NA	20.2	7.00	05/20/2025	16:31
3	CAL3	1	Water	NA	NA	20.2	10.02	05/20/2025	16:33
4	ICV	1	Water	NA	NA	20.2	7.01	05/20/2025	16:34
5	CCV1	1	Water	NA	NA	20.2	2.01	05/20/2025	16:35
6	Q2078-03	1	Solid	20.02	20	20.8	12.12	05/20/2025	16:44
7	Q2078-03DUP	1	Solid	20.03	20	20.9	12.13	05/20/2025	16:45
8	Q2078-07	1	Solid	20.02	20	20.1	12.16	05/20/2025	16:48
9	Q2078-11	1	Solid	20.03	20	20.5	12.14	05/20/2025	16:50
10	Q2078-15	1	Solid	20.04	20	20.8	12.16	05/20/2025	16:55
11	Q2078-19	1	Solid	20.03	20	20.9	12.07	05/20/2025	17:00
12	Q2079-03	1	Solid	20.02	20	20.1	12.11	05/20/2025	17:02
13	Q2079-07	1	Solid	20.03	20	20.4	12.05	05/20/2025	17:05
14	Q2079-11	1	Solid	20.05	20	20.1	12.13	05/20/2025	17:10
15	Q2084-05	1	Solid	20.05	20	20.9	7.24	05/20/2025	17:15
16	CCV2	1	Water	NA	NA	20.2	12.02	05/20/2025	17:20
17	Q2092-02	1	Solid	20.03	20	20.9	5.95	05/20/2025	17:22
18	Q2093-02	1	Solid	20.04	20	20.6	8.39	05/20/2025	17:25
19	Q2095-04	1	Solid	20.01	20	22.2	7.25	05/20/2025	17:33
20	Q2095-08	1	Solid	20.03	20	22.1	7.14	05/20/2025	17:40

Reviewed By:Iwona
On:5/21/2025 1:56:44 PM
Inst Id :WC PH METER-1

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	An
21	Q2099-01	1	Solid	20.02	20	20.7	6.22	05/20/2025	17:43
22	CCV3	1	Water	NA	NA	20.3	2.01	05/20/2025	17:50

VB 135852

WORKLIST(Hardcopy Internal Chain)

WorkList Name : corrsovity q2084 **WorkList ID :** 189641 **Department :** Wet-Chemistry **Date :** 05-20-2025 12:32:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-03	WC-A4-04-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-07	WC-A4-05-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-11	WC-A1-06A-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-15	WC-A1-07A-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2078-19	WC-A4-06-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/13/2025	9045D
Q2079-03	WC-A2-01-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L41	05/14/2025	9045D
Q2079-07	WC-A2-02-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D
Q2079-11	WC-A2-03-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D
Q2084-05	OR-640-COMP-66	Solid	Corrosivity	Cool 4 deg C	ENTA05	L31	05/13/2025	9045D
Q2092-02	VNJ-202	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	05/19/2025	9045D
Q2093-02	SOIL-DRUMS	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	05/20/2025	9045D
Q2095-04	WCS-TP1	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	05/20/2025	9045D
Q2095-08	WCS-TP2	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	05/20/2025	9045D
Q2099-01	OILY-DEBRIS	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	05/20/2025	9045D

Date/Time 05/20/25 16:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/20/25 18:35

Raw Sample Received by:

Raw Sample Relinquished by:

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: ASTM Oil and Grease
Run Number: LB135872
Analysis Date: 05/21/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 05/21/2025
Extration IN Time: 13:37
Extration OUT Time: 14:15
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	LB135872BL	LB135872BL	WATER	1.3	1000	100	2.7453	2.7453	0	2.7454	2.7454	0.0001	0.1
2	LB135872BS	LB135872BS	WATER	1.3	1000	100	3.1562	3.1562	0	3.1729	3.1729	0.0167	16.7
3	Q2078-04	WC-A4-04-C	WATER	1.6	1000	100	2.7481	2.7481	0	2.7483	2.7483	0.0002	0.2
4	Q2078-04DUP	WC-A4-04-CDUP	WATER	1.6	1000	100	3.0251	3.0251	0	3.0253	3.0253	0.0002	0.2
5	Q2078-04MS	WC-A4-04-C	WATER	1.6	1000	100	3.1987	3.1987	0	3.2189	3.2189	0.0202	20.2
6	Q2078-04MSD	WC-A4-04-C	WATER	1.6	1000	100	2.7403	2.7403	0	2.7606	2.7606	0.0203	20.3
7	Q2078-08	WC-A4-05-C	WATER	1.6	1000	100	3.0368	3.0368	0	3.0371	3.0371	0.0003	0.3
8	Q2078-12	WC-A1-06A-C	WATER	1.6	1000	100	3.1307	3.1307	0	3.1311	3.1311	0.0004	0.4
9	Q2078-16	WC-A1-07A-C	WATER	1.6	1000	100	2.7441	2.7441	0	2.7446	2.7446	0.0005	0.5
10	Q2078-20	WC-A4-06-C	WATER	1.6	1000	100	3.1853	3.1853	0	3.1857	3.1857	0.0004	0.4
11	Q2079-04	WC-A2-01-C	WATER	1.6	1000	100	3.1633	3.1633	0	3.1636	3.1636	0.0003	0.3
12	Q2079-08	WC-A2-02-C	WATER	1.6	1000	100	2.7698	2.7698	0	2.7702	2.7702	0.0004	0.4
13	Q2079-12	WC-A2-03-C	WATER	1.6	1000	100	2.8753	2.8753	0	2.8756	2.8756	0.0003	0.3

QC Batch# LB135872 **Test:** ASTM Oil and Grease **Analysis Date:** 05/21/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	M6069
Sodium Sulfate	EP2614
1:1 HCL	WP112782
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	WO112784

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0004 **(0.9950-1.0050)**
Bal Check Time: 14:00

In OVEN TEMP1 : 70 °C **Dessicator Time In1 :** 16:01
In Time1: 15:25
Out OVEN TEMP1: 70 °C **Dessicator Time Out1:** 16:35
Out Time1: 16:00

After Analysis

0.0020 gram Balance: 0.0019 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0003 **(0.9950-1.0050)**
Bal Check Time: 18:11

In OVEN TEMP2 : 71 °C **Dessicator Time In2 :** 17:31
In Time2: 17:00
Out OVEN TEMP2: 71 °C **Dessicator Time Out2:** 18:10
Out Time2: 17:30

WORKLIST(Hardcopy Internal Chain)

LB 135872

WorkList Name : astm oil & grease q2079 **WorkList ID :** 189676 **Department :** Wet-Chemistry **Date :** 05-21-2025 13:16:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-04	WC-A4-04-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	1664A
Q2078-08	WC-A4-05-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	1664A
Q2078-12	WC-A1-06A-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	1664A
Q2078-16	WC-A1-07A-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	1664A
Q2078-20	WC-A4-06-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	1664A
Q2079-04	WC-A2-01-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L41	05/14/2025	1664A
Q2079-08	WC-A2-02-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	05/13/2025	1664A
Q2079-12	WC-A2-03-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	05/13/2025	1664A

Date/Time 05/21/25 13:30
Raw Sample Received by: SD WC1
Raw Sample Relinquished by:

Date/Time 05/21/25 17:30
Raw Sample Received by:
Raw Sample Relinquished by:

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona
ANALYST: jignesh
Date: 05/22/2025
Run Number: LB135879
BalanceID: WC SC-6
OvenID: WC OVEN-1
ThermometerID: WET OVEN#1

TEMP1 IN:	103 °C	05/22/2025 11:00	**TEMP1 OUT:**	103 °C	05/22/2025 12:00
TEMP2 IN:	104 °C	05/22/2025 12:30	**TEMP2 OUT:**	103 °C	05/22/2025 13:30
TEMP3 IN:	104 °C	05/22/2025 15:40	**TEMP3 OUT:**	104 °C	05/23/2025 07:30
TEMP4 IN:	104 °C	05/23/2025 08:00	**TEMP4 OUT:**	103 °C	05/23/2025 09:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	Orignal 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	LB135879BL	LB135879BL	75.9635	75.9635	100	75.9636	75.9636	75.9636	0.0001	1
2	Q2078-04	WC-A4-04-C	157.5421	157.5421	100	157.6458	157.6458	157.6460	0.1037	1037
3	Q2078-04DUP	WC-A4-04-CDUP	156.5847	156.5847	100	156.6885	156.6885	156.6890	0.1038	1038
4	Q2078-08	WC-A4-05-C	143.5629	143.5629	100	143.6806	143.6806	143.6810	0.1177	1177
5	Q2078-12	WC-A1-06A-C	158.7260	158.7260	100	158.8477	158.8477	158.8480	0.1217	1217
6	Q2078-16	WC-A1-07A-C	90.3195	90.3195	100	90.4116	90.4116	90.4116	0.0921	921
7	Q2078-20	WC-A4-06-C	106.1488	106.1488	100	106.2386	106.2386	106.2390	0.0898	898
8	Q2079-04	WC-A2-01-C	110.2237	110.2237	100	110.3587	110.3587	110.3590	0.1350	1350
9	Q2079-08	WC-A2-02-C	152.1851	152.1851	100	152.2609	152.2609	152.2610	0.0758	758
10	Q2079-12	WC-A2-03-C	151.2407	151.2407	100	151.3510	151.3510	151.3510	0.1103	1103

A = Sample Volume (ml)
B = Final Empty Dish Weight (g)
C = Final Dish+Sample weight after Drying @103-@105°C (g)

Result mg/L = ((C - B) / A) * 1000 * 1000

WORKLIST(Hardcopy Internal Chain)

LB135879

WorkList Name : astm ts q2079 **WorkList ID :** 189705 **Department :** Wet-Chemistry **Date :** 05-22-2025 11:09:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-04	WC-A4-04-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-08	WC-A4-05-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-12	WC-A1-06A-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-16	WC-A1-07A-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2078-20	WC-A4-06-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/13/2025	SM2540 B
Q2079-04	WC-A2-01-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L41	05/14/2025	SM2540 B
Q2079-08	WC-A2-02-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	05/13/2025	SM2540 B
Q2079-12	WC-A2-03-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	05/13/2025	SM2540 B

Date/Time 05/22/25 12:30

Raw Sample Received by: JD WC

Raw Sample Relinquished by: JD WC

Date/Time 05/22/25 16:00

Raw Sample Received by: JD WC

Raw Sample Relinquished by: JD WC

Reviewed By:jignesh
On:5/22/2025 2:43:43 PM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: SM5220 D
Parameter: ASTM COD
Run Number: LB135884

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP113144
COD calibration std. 100 ppm	WP113143
COD calibration std. 50 ppm	WP113141
COD calibration std. 10 ppm	WP113140
COD calibration std. 0 ppm	WP113139
COD CCV std, 50ppm	WP113145
COD ICV-LCS std, 50ppm	WP113146
COD Digestion Vials Low Level 0-150Mg/L	W3128

Temp In(C): 149	**Date In:** 05/22/2025	**Time In:** 09:30
Temp Out(C): 151	**Date Out:** 05/22/2025	**Time Out:** 11:30

Intercept: -0.9358 **Slope:** 1.0054 **Regression:** 0.9995

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	0.931		05/20/2025	12:50
2	CAL2	10	1	Water	10.000	10.877	8.8	05/20/2025	12:50
3	CAL3	50	1	Water	48.000	48.673	-2.7	05/20/2025	12:51
4	CAL4	100	1	Water	97.000	97.41	-2.6	05/20/2025	10:51
5	CAL5	150	1	Water	152.000	152.114	1.4	05/20/2025	12:52

Reviewed By:jignesh
On:5/22/2025 2:43:43 PM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: SM5220 D
ANALYST: Iwona
Parameter: ASTM COD
SUPERVISOR REVIEW BY: jignesh
Run Number: LB135884

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	49.000	49.668	05/20/2025	12:53
2	ICB		NA	NA	1	Water	0.000	0.931	05/20/2025	12:53
3	CCV1	50	NA	NA	1	Water	48.000	48.673	05/22/2025	13:20
4	CCB1		NA	NA	1	Water	1.000	1.925	05/22/2025	13:20
5	LB135884BL		NA	NA	1	Water	0.000	0.931	05/22/2025	13:21
6	LB135884BS	50	NA	NA	1	Water	49.000	49.668	05/22/2025	13:21
7	Q2078-04		NA	NA	1	Water	39.000	39.721	05/22/2025	13:22
8	Q2078-04DUP		NA	NA	1	Water	40.000	40.716	05/22/2025	13:22
9	Q2078-04MS	50	NA	NA	1	Water	82.000	82.490	05/22/2025	13:23
10	Q2078-04MSD	50	NA	NA	1	Water	80.000	80.501	05/22/2025	13:23
11	Q2078-08		NA	NA	1	Water	65.000	65.582	05/22/2025	13:24
12	Q2078-12		NA	NA	1	Water	17.000	17.839	05/22/2025	13:24
13	Q2078-16		NA	NA	1	Water	36.000	36.737	05/22/2025	13:25
14	Q2078-20		NA	NA	1	Water	44.000	44.694	05/22/2025	13:25
15	CCV2	50	NA	NA	1	Water	51.000	51.657	05/22/2025	13:26
16	CCB2		NA	NA	1	Water	1.000	1.925	05/22/2025	13:26
17	Q2079-04		NA	NA	1	Water	18.000	18.834	05/22/2025	13:27
18	Q2079-08		NA	NA	1	Water	37.000	37.732	05/22/2025	13:27
19	Q2079-12		NA	NA	1	Water	43.000	43.700	05/22/2025	13:28
20	CCV3	50	NA	NA	1	Water	50.000	50.662	05/22/2025	13:28
21	CCB3		NA	NA	1	Water	1.000	1.925	05/22/2025	13:29

WORKLIST(Hardcopy Internal Chain)

LB135884

WorkList Name : ASTM COD-052125 **WorkList ID :** 189672 **Department :** Wet-Chemistry **Date :** 05-21-2025 10:14:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-04	WC-A4-04-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/13/2025	SM5220 D
Q2078-08	WC-A4-05-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/13/2025	SM5220 D
Q2078-12	WC-A1-06A-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/13/2025	SM5220 D
Q2078-16	WC-A1-07A-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/13/2025	SM5220 D
Q2078-20	WC-A4-06-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/13/2025	SM5220 D
Q2079-04	WC-A2-01-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L41	05/14/2025	SM5220 D
Q2079-08	WC-A2-02-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	05/13/2025	SM5220 D
Q2079-12	WC-A2-03-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	05/13/2025	SM5220 D

Date/Time 05/22/25 09:05

Raw Sample Received by: IZ (WC)

Raw Sample Relinquished by:

Date/Time NA

Raw Sample Received by:

Raw Sample Relinquished by:

LB

Test results | Aquakem 7.2AQ1 | Page: 1

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

Reviewed by : RM | Instrument ID : Konelab

5/22/2025 13:52

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	1.033	0.0	0.220	
ICB1	0.017	0.0	0.023	
CCV1	1.005	0.0	0.215	
CCB1	0.018	0.0	0.024	
PB168114BL	0.012	0.0	0.023	
PB168114BS	0.993	0.0	0.212	
PB168114TB	0.023	0.0	0.024	
Q2078-08	0.936	0.0	0.201	
Q2078-12	0.927	0.0	0.200	
Q2078-16	0.637	0.0	0.143	
CCV2	1.025	0.0	0.219	
CCB2	0.016	0.0	0.023	
Q2078-20	0.645	0.0	0.145	
Q2079-04	0.833	0.0	0.181	
Q2079-08	0.494	0.0	0.116	
Q2079-12	0.588	0.0	0.134	
Q2078-04	0.420	0.0	0.101	
Q2078-04DUP	0.464	0.0	0.110	
Q2078-04MS	1.419	0.0	0.295	
05/22/2025 RM Q2078-04MSD	1.472	0.0	0.305	
CCV3	1.042	0.0	0.222	
CCB3	0.032	0.0	0.026	

N	22
Mean	0.639
SD	0.4701
CV%	73.62

Aquakem v. 7.2AQ1
Results from time period:
Thu May 22 12:53:07 2025
Thu May 22 13:41:40 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-N	P	0.0189	mg/l	5/22/2025 10:54:10	
0.1PPM	A	Ammonia-N	P	0.1057	mg/l	5/22/2025 10:54:11	
0.2PPM	A	Ammonia-N	P	0.2045	mg/l	5/22/2025 10:54:12	
0.4PPM	A	Ammonia-N	P	0.3934	mg/l	5/22/2025 10:54:13	
1.0PPM	A	Ammonia-N	P	0.9839	mg/l	5/22/2025 10:54:14	
1.3PPM	A	Ammonia-N	P	1.2882	mg/l	5/22/2025 10:54:15	
2.0PPM	A	Ammonia-N	P	2.0387	mg/l	5/22/2025 10:54:16	
ICV1	S	Ammonia-N	P	1.0328	mg/l	5/22/2025 12:53:08	
ICB1	S	Ammonia-N	P	0.0166	mg/l	5/22/2025 12:53:09	
CCV1	S	Ammonia-N	P	1.0049	mg/l	5/22/2025 12:53:11	
CCB1	S	Ammonia-N	P	0.0177	mg/l	5/22/2025 12:53:13	
PB168114BL	S	Ammonia-N	P	0.0123	mg/l	5/22/2025 12:53:15	
PB168114BS	S	Ammonia-N	P	0.9926	mg/l	5/22/2025 12:53:17	
PB168114TB	S	Ammonia-N	P	0.0225	mg/l	5/22/2025 13:03:50	
Q2078-08	S	Ammonia-N	P	0.9362	mg/l	5/22/2025 13:03:55	
Q2078-12	S	Ammonia-N	P	0.9267	mg/l	5/22/2025 13:03:56	
Q2078-16	S	Ammonia-N	P	0.6369	mg/l	5/22/2025 13:03:57	
CCV2	S	Ammonia-N	P	1.0252	mg/l	5/22/2025 13:03:58	
CCB2	S	Ammonia-N	P	0.0158	mg/l	5/22/2025 13:03:59	
Q2078-20	S	Ammonia-N	P	0.6455	mg/l	5/22/2025 13:11:02	
Q2079-04	S	Ammonia-N	P	0.8326	mg/l	5/22/2025 13:11:03	
Q2079-08	S	Ammonia-N	P	0.494	mg/l	5/22/2025 13:11:04	
Q2079-12	S	Ammonia-N	P	0.588	mg/l	5/22/2025 13:11:05	
Q2078-04	S	Ammonia-N	P	0.4201	mg/l	5/22/2025 13:41:29	
Q2078-04DUP	S	Ammonia-N	P	0.4644	mg/l	5/22/2025 13:41:32	
Q2078-04MS	S	Ammonia-N	P	1.419	mg/l	5/22/2025 13:41:33	
Q2078-04MSD	S	Ammonia-N	P	1.472	mg/l	5/22/2025 13:41:34	
CCV3	S	Ammonia-N	P	1.0423	mg/l	5/22/2025 13:41:38	
CCB3	S	Ammonia-N	P	0.032	mg/l	5/22/2025 13:41:40	

Calibration results Aquakem 7.2AQ1

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

5/22/2025 10:55 Reviewed by : RM Instrument ID : Konelab

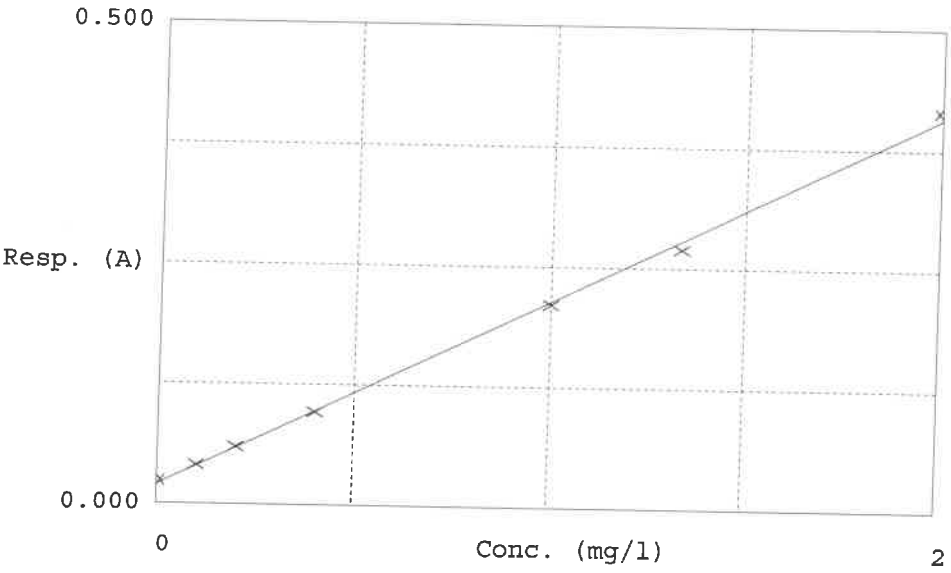
Test Ammonia-N

Accepted 5/22/2025 10:55

Factor 5.165
Bias 0.020

Coeff. of det. 0.998740

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.024	0.0189	0.0000	
2	NH3-2PPM	0.041	0.1057	0.1000	5.7
3	NH3-2PPM	0.060	0.2045	0.2000	2.2
4	NH3-2PPM	0.096	0.3934	0.4000	-1.7
5	NH3-2PPM	0.211	0.9839	1.0000	-1.6
6	NH3-2PPM	0.270	1.2882	1.3333	-0.9
7	NH3-2PPM	0.415	2.0387	2.0000	1.9

05/22/2025
RM

Extraction and Analytical Summary Report

Analysis Method: 9071B
Test: Oil and Grease
Run Number: LB135900
Analysis Date: 05/23/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 05/23/2025
Extration IN Time: 07:25
Extration OUT Time: 08:47
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	LB135900BL	LB135900BL	SOLID		20.03	100	2.8741	2.8741	0	2.8742	2.8742	0.0001	4.99
2	LB135900BS	LB135900BS	SOLID		20.04	100	3.0158	3.0158	0	3.0177	3.0177	0.0019	94.81
3	Q2078-02	WC-A4-04-C	SOLID		20.03	100	3.0624	3.0624	0	3.0726	3.0726	0.0102	509.24
4	Q2078-06	WC-A4-05-C	SOLID		20.02	100	3.0349	3.0349	0	3.0403	3.0403	0.0054	269.73
5	Q2078-10	WC-A1-06A-C	SOLID		20.03	100	3.0516	3.0516	0	3.0533	3.0533	0.0017	84.87
6	Q2078-14	WC-A1-07A-C	SOLID		20.04	100	3.0560	3.0560	0	3.0608	3.0608	0.0048	239.52
7	Q2078-18	WC-A4-06-C	SOLID		20.03	100	3.0850	3.0850	0	3.0895	3.0895	0.0045	224.66
8	Q2079-02	WC-A2-01-C	SOLID		20.02	100	3.0586	3.0586	0	3.0592	3.0592	0.0006	29.97
9	Q2079-06	WC-A2-02-C	SOLID		20.03	100	3.0766	3.0766	0	3.0951	3.0951	0.0185	923.61
10	Q2079-10	WC-A2-03-C	SOLID		20.04	100	3.0606	3.0606	0	3.0637	3.0637	0.0031	154.69
11	Q2079-10DUP	WC-A2-03-CDUP	SOLID		20.03	100	3.0727	3.0727	0	3.0760	3.0760	0.0033	164.75
12	Q2079-10MS	WC-A2-03-C	SOLID		20.02	100	3.0233	3.0233	0	3.0292	3.0292	0.0059	294.71
13	Q2079-10MSD	WC-A2-03-C	SOLID		20.03	100	3.0678	3.0678	0	3.0744	3.0744	0.0066	329.51

QC Batch# LB135900 **Test:** Oil and Grease **Analysis Date:** 05/23/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	NA
Sodium Sulfate	EP2614
1:1 HCL	NA
Silica Gel	NA
Sand	E2865

Standards Used:

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

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0019 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0003 **(0.9950-1.0050)**
Bal Check Time: 07:35

In OVEN TEMP1 : 70 °C **Dessicator Time In1 :** 10:26
In Time1: 09:30
Out OVEN TEMP1: 70 °C **Dessicator Time Out1:** 11:11
Out Time1: 10:25

After Analysis

0.0020 gram Balance: 0.0021 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0004 **(0.9950-1.0050)**
Bal Check Time: 13:20

In OVEN TEMP2 : 71 °C **Dessicator Time In2 :** 12:36
In Time2: 12:00
Out OVEN TEMP2: 71 °C **Dessicator Time Out2:** 13:15
Out Time2: 12:35

WORKLIST(Hardcopy Internal Chain)

LB 135900

WorkList Name : OIL & GREASE Q2069 **WorkList ID :** 189715 **Department :** Wet-Chemistry **Date :** 05-23-2025 07:09:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	9071B
Q2078-06	WC-A4-05-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	9071B
Q2078-10	WC-A1-06A-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	9071B
Q2078-14	WC-A1-07A-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	9071B
Q2078-18	WC-A4-06-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/13/2025	9071B
Q2079-02	WC-A2-01-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L41	05/14/2025	9071B
Q2079-06	WC-A2-02-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	05/13/2025	9071B
Q2079-10	WC-A2-03-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	05/13/2025	9071B

Date/Time 05/23/25 07:15

Raw Sample Received by: SD (coolC)

Raw Sample Relinquished by: SM

Date/Time 05/23/25 13:30

Raw Sample Received by: SM

Raw Sample Relinquished by: SD (coolC)

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB168061

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A **Start Digest Date:** 05/20/2025 **Time :** 10:45 **Temp :** N/A

Matrix : SOIL **End Digest Date:** 05/20/2025 **Time :** 12:15 **Temp :** N/A

Pippete 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:** IZ

Standared 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	WP111294
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
05/20/2025 12:25	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB168061

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168061BL	PBS061	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-04DUP	L1-WC-7DUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-04	L1-WC-7	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-08	L1-WC-8	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-12	L1-WC-9	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-16	L2-WC-5	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-20	L2-WC-6	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2076-01	OILY-DEBRIS	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-03	WC-A4-04-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-07	WC-A4-05-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-11	WC-A1-06A-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-15	WC-A1-07A-C	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-19	WC-A4-06-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-03	WC-A2-01-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-07	WC-A2-02-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-11	WC-A2-03-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2080-06	PL-HRH-COMP-01	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2080-12	PL-HRH-COMP-02	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2084-05	OR-640-COMP-06	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB168070

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1, MC-2

Weigh By : RM

Start Digest Date: 05/20/2025 **Time :** 08:50 **Temp :** N/A

End Digest Date: 05/20/2025 **Time :** 10:20 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: RM

Supervisor Signature: 12

Standared 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
0.5M ZINC ACETATE	5.0ML	WP113086
FORMALDEHYDE	2.0ML	W2725
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

Extraction Conformance/Non-Conformance Comments:

05/20/2025 RM

N/A

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

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB168070

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168070BL	PBS070	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-04DUP	L1-WC-7DUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-04	L1-WC-7	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-08	L1-WC-8	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-12	L1-WC-9	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-16	L2-WC-5	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2071-20	L2-WC-6	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2076-01	OILY-DEBRIS	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-03	WC-A4-04-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-07	WC-A4-05-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-11	WC-A1-06A-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-15	WC-A1-07A-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-19	WC-A4-06-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-03	WC-A2-01-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-07	WC-A2-02-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2079-11	WC-A2-03-C	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2080-06	PL-HRH-COMP-01	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2080-12	PL-HRH-COMP-02	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2084-05	OR-640-COMP-06	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Water ASTM Ammonia Preparation Sheet

PB168114

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

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 05/21/2025 **Time :** 14:50 **Temp :** 150 °C

End Digest Date: 05/21/2025 **Time :** 15:50 **Temp :** 160 °C

Find Boiled 05/21/2025 16:10 150°C

05/21/2025 17:10 160°C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP112987
MS/MSD SPIKE SOL.	1.0ML	WP112986
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB168128
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP112828
pH Paper 0-14	N/A	W3140
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
WP111604

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/21/2025 17:20	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water ASTM Ammonia Preparation Sheet

PB168114

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168114BL	PBW114	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB168114BS	LCS114	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB168114TB	LEB114	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-04DUP	WC-A4-04-CDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-04MS	WC-A4-04-CMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-04MSD	WC-A4-04-CMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-04	WC-A4-04-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-08	WC-A4-05-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-12	WC-A1-06A-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-16	WC-A1-07A-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2078-20	WC-A4-06-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2079-04	WC-A2-01-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2079-08	WC-A2-02-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2079-12	WC-A2-03-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

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

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB135841

Review By	Eman	Review On	5/20/2025 2:14:29 PM
Supervise By	Iwona	Supervise On	5/20/2025 2:15:38 PM
SubDirectory	LB135841	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	Q2078-03	WC-A4-04-C	SAM	05/20/25 10:30		Iwona	OK
2	Q2078-03DUP	WC-A4-04-CDUP	DUP	05/20/25 10:38		Iwona	OK
3	Q2078-07	WC-A4-05-C	SAM	05/20/25 10:45		Iwona	OK
4	Q2078-11	WC-A1-06A-C	SAM	05/20/25 10:52		Iwona	OK
5	Q2078-15	WC-A1-07A-C	SAM	05/20/25 11:00		Iwona	OK
6	Q2078-19	WC-A4-06-C	SAM	05/20/25 11:08		Iwona	OK
7	Q2079-03	WC-A2-01-C	SAM	05/20/25 11:15		Iwona	OK
8	Q2079-07	WC-A2-02-C	SAM	05/20/25 11:22		Iwona	OK
9	Q2079-11	WC-A2-03-C	SAM	05/20/25 11:30		Iwona	OK
10	Q2080-06	PL-HRH-COMP-01	SAM	05/20/25 11:38		Iwona	OK
11	Q2080-12	PL-HRH-COMP-02	SAM	05/20/25 11:45		Iwona	OK
12	Q2084-05	OR-640-COMP-66	SAM	05/20/25 11:52		Iwona	OK

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135842

Review By	Eman	Review On	5/20/2025 2:13:35 PM
Supervise By	Iwona	Supervise On	5/20/2025 2:15:20 PM
SubDirectory	LB135842	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	Q2078-02	WC-A4-04-C	SAM	05/20/25 08:40		Iwona	OK
2	Q2078-02DUP	WC-A4-04-CDUP	DUP	05/20/25 08:48		Iwona	OK
3	Q2078-06	WC-A4-05-C	SAM	05/20/25 08:55		Iwona	OK
4	Q2078-10	WC-A1-06A-C	SAM	05/20/25 09:02		Iwona	OK
5	Q2078-14	WC-A1-07A-C	SAM	05/20/25 09:10		Iwona	OK
6	Q2078-18	WC-A4-06-C	SAM	05/20/25 09:18		Iwona	OK
7	Q2079-02	WC-A2-01-C	SAM	05/20/25 09:25		Iwona	OK
8	Q2079-06	WC-A2-02-C	SAM	05/20/25 09:33		Iwona	OK
9	Q2079-10	WC-A2-03-C	SAM	05/20/25 09:40		Iwona	OK
10	Q2080-01	PL-HRH-COMP-01	SAM	05/20/25 09:48		Iwona	OK
11	Q2080-07	PL-HRH-COMP-02	SAM	05/20/25 09:55		Iwona	OK

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Fax : 908 789 8922

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135845

Review By	jignesh	Review On	5/21/2025 12:50:36 PM
Supervise By	Iwona	Supervise On	5/21/2025 1:58:48 PM
SubDirectory	LB135845	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	LB135845BL	LB135845BL	MB	05/20/25 11:00		jignesh	OK
2	Q2078-02	WC-A4-04-C	SAM	05/20/25 11:00		jignesh	OK
3	Q2078-02DUP	WC-A4-04-CDUP	DUP	05/20/25 11:00		jignesh	OK
4	Q2078-06	WC-A4-05-C	SAM	05/20/25 11:00		jignesh	OK
5	Q2078-10	WC-A1-06A-C	SAM	05/20/25 11:00		jignesh	OK
6	Q2078-14	WC-A1-07A-C	SAM	05/20/25 11:00		jignesh	OK
7	Q2078-18	WC-A4-06-C	SAM	05/20/25 11:00		jignesh	OK
8	Q2079-02	WC-A2-01-C	SAM	05/20/25 11:00		jignesh	OK
9	Q2079-06	WC-A2-02-C	SAM	05/20/25 11:00		jignesh	OK
10	Q2079-10	WC-A2-03-C	SAM	05/20/25 11:00		jignesh	OK

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

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135846

Review By	jignesh	Review On	5/21/2025 1:01:49 PM
Supervise By	Iwona	Supervise On	5/21/2025 1:58:27 PM
SubDirectory	LB135846	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	LB135846BL	LB135846BL	MB	05/20/25 15:30		jignesh	OK
2	Q2078-02	WC-A4-04-C	SAM	05/20/25 15:30		jignesh	OK
3	Q2078-02DUP	WC-A4-04-CDUP	DUP	05/20/25 15:30		jignesh	OK
4	Q2078-06	WC-A4-05-C	SAM	05/20/25 15:30		jignesh	OK
5	Q2078-10	WC-A1-06A-C	SAM	05/20/25 15:30		jignesh	OK
6	Q2078-14	WC-A1-07A-C	SAM	05/20/25 15:30		jignesh	OK
7	Q2078-18	WC-A4-06-C	SAM	05/20/25 15:30		jignesh	OK
8	Q2079-02	WC-A2-01-C	SAM	05/20/25 15:30		jignesh	OK
9	Q2079-06	WC-A2-02-C	SAM	05/20/25 15:30		jignesh	OK
10	Q2079-10	WC-A2-03-C	SAM	05/20/25 15:30		jignesh	OK

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

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135847

Review By	rubina	Review On	5/20/2025 2:11:43 PM
Supervise By	Iwona	Supervise On	5/20/2025 4:19:02 PM
SubDirectory	LB135847	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,W3114,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB168070BL	PB168070BL	MB	05/20/25 11:00		rubina	OK
2	Q2071-04	L1-WC-7	SAM	05/20/25 11:03		rubina	OK
3	Q2071-04DUP	L1-WC-7DUP	DUP	05/20/25 11:06		rubina	OK
4	Q2071-08	L1-WC-8	SAM	05/20/25 11:08		rubina	OK
5	Q2071-12	L1-WC-9	SAM	05/20/25 11:10		rubina	OK
6	Q2071-16	L2-WC-5	SAM	05/20/25 11:13		rubina	OK
7	Q2071-20	L2-WC-6	SAM	05/20/25 11:15		rubina	OK
8	Q2076-01	OILY-DEBRIS	SAM	05/20/25 11:18		rubina	OK
9	Q2078-03	WC-A4-04-C	SAM	05/20/25 11:20		rubina	OK
10	Q2078-07	WC-A4-05-C	SAM	05/20/25 11:23		rubina	OK
11	Q2078-11	WC-A1-06A-C	SAM	05/20/25 11:25		rubina	OK
12	Q2078-15	WC-A1-07A-C	SAM	05/20/25 11:28		rubina	OK
13	Q2078-19	WC-A4-06-C	SAM	05/20/25 11:31		rubina	OK
14	Q2079-03	WC-A2-01-C	SAM	05/20/25 11:33		rubina	OK
15	Q2079-07	WC-A2-02-C	SAM	05/20/25 11:35		rubina	OK
16	Q2079-11	WC-A2-03-C	SAM	05/20/25 11:38		rubina	OK
17	Q2080-06	PL-HRH-COMP-01	SAM	05/20/25 11:40		rubina	OK
18	Q2080-12	PL-HRH-COMP-02	SAM	05/20/25 11:43		rubina	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135847

Review By	rubina	Review On	5/20/2025 2:11:43 PM
Supervise By	lwona	Supervise On	5/20/2025 4:19:02 PM
SubDirectory	LB135847	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,W3114,W3149

19	Q2084-05	OR-640-COMP-66	SAM	05/20/25 11:45		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135848

Review By	rubina	Review On	5/21/2025 12:30:10 PM
Supervise By	Iwona	Supervise On	5/21/2025 12:31:54 PM
SubDirectory	LB135848	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113158,WP113159,WP113160,WP113161,WP113162,WP113163,WP113164
ICV Standard	WP113166
CCV Standard	WP113159
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113166

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/20/25 12:28		Iwona	OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/20/25 12:28		Iwona	OK
3	10PPBCN	10PPBCN	CAL3	05/20/25 12:28		Iwona	OK
4	50PPBCN	50PPBCN	CAL4	05/20/25 12:28		Iwona	OK
5	100PPBCN	100PPBCN	CAL5	05/20/25 12:28		Iwona	OK
6	250PPBCN	250PPBCN	CAL6	05/20/25 12:28		Iwona	OK
7	500PPBCN	500PPBCN	CAL7	05/20/25 12:28		Iwona	OK
8	ICV1	ICV1	ICV	05/20/25 13:56		Iwona	OK
9	ICB1	ICB1	ICB	05/20/25 13:56		Iwona	OK
10	CCV1	CCV1	CCV	05/20/25 13:56		Iwona	OK
11	CCB1	CCB1	CCB	05/20/25 13:56		Iwona	OK
12	PB168060BL	PB168060BL	MB	05/20/25 13:56		Iwona	OK
13	Q2065-01	VACTRUCK-728068	SAM	05/20/25 13:56		Iwona	OK
14	Q2067-01	303-PPR-FRAC	SAM	05/20/25 14:03		Iwona	OK
15	Q2067-01DUP	303-PPR-FRACDUP	DUP	05/20/25 14:03		Iwona	OK
16	Q2068-03	LAW-25-0074	SAM	05/20/25 14:03		Iwona	OK
17	PB168061BL	PB168061BL	MB	05/20/25 14:03		Iwona	OK
18	Q2071-04DUP	L1-WC-7DUP	DUP	05/20/25 14:03		Iwona	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135848

Review By	rubina	Review On	5/21/2025 12:30:10 PM
Supervise By	Iwona	Supervise On	5/21/2025 12:31:54 PM
SubDirectory	LB135848	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113158,WP113159,WP113160,WP113161,WP113162,WP113163,WP113164
ICV Standard	WP113166
CCV Standard	WP113159
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113166

19	Q2071-04	L1-WC-7	SAM	05/20/25 14:03		Iwona	OK
20	Q2071-08	L1-WC-8	SAM	05/20/25 14:03		Iwona	OK
21	Q2071-12	L1-WC-9	SAM	05/20/25 14:03		Iwona	OK
22	CCV2	CCV2	CCV	05/20/25 14:03		Iwona	OK
23	CCB2	CCB2	CCB	05/20/25 14:11		Iwona	OK
24	Q2071-16	L2-WC-5	SAM	05/20/25 14:11		Iwona	OK
25	Q2071-20	L2-WC-6	SAM	05/20/25 14:11		Iwona	OK
26	Q2076-01	OILY-DEBRIS	SAM	05/20/25 14:11		Iwona	OK
27	Q2078-03	WC-A4-04-C	SAM	05/20/25 14:11		Iwona	OK
28	Q2078-07	WC-A4-05-C	SAM	05/20/25 14:11		Iwona	OK
29	Q2078-11	WC-A1-06A-C	SAM	05/20/25 14:11		Iwona	OK
30	Q2078-15	WC-A1-07A-C	SAM	05/20/25 14:11		Iwona	OK
31	Q2078-19	WC-A4-06-C	SAM	05/20/25 14:11		Iwona	OK
32	Q2079-03	WC-A2-01-C	SAM	05/20/25 14:18		Iwona	OK
33	Q2079-07	WC-A2-02-C	SAM	05/20/25 14:18		Iwona	OK
34	CCV3	CCV3	CCV	05/20/25 14:18		Iwona	OK
35	CCB3	CCB3	CCB	05/20/25 14:18		Iwona	OK
36	Q2079-11	WC-A2-03-C	SAM	05/20/25 14:18		Iwona	OK
37	Q2080-06	PL-HRH-COMP-01	SAM	05/20/25 14:18		Iwona	OK
38	Q2080-12	PL-HRH-COMP-02	SAM	05/20/25 14:18		Iwona	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135848

Review By	rubina	Review On	5/21/2025 12:30:10 PM
Supervise By	Iwona	Supervise On	5/21/2025 12:31:54 PM
SubDirectory	LB135848	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113158,WP113159,WP113160,WP113161,WP113162,WP113163,WP113164
ICV Standard	WP113166
CCV Standard	WP113159
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113166

39	Q2084-05	OR-640-COMP-66	SAM	05/20/25 14:24		Iwona	OK
40	CCV4	CCV4	CCV	05/20/25 14:24		Iwona	OK
41	CCB4	CCB4	CCB	05/20/25 14:24		Iwona	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135851

Review By	jignesh	Review On	5/21/2025 12:31:47 PM
Supervise By	Iwona	Supervise On	5/21/2025 1:58:08 PM
SubDirectory	LB135851	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,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/20/25 16:30		Jignesh	OK
2	CAL2	CAL2	CAL	05/20/25 16:31		Jignesh	OK
3	CAL3	CAL3	CAL	05/20/25 16:33		Jignesh	OK
4	ICV	ICV	ICV	05/20/25 16:34		Jignesh	OK
5	CCV1	CCV1	CCV	05/20/25 16:35		Jignesh	OK
6	Q2078-02	WC-A4-04-C	SAM	05/20/25 16:44		Jignesh	OK
7	Q2078-02DUP	WC-A4-04-CDUP	DUP	05/20/25 16:45		Jignesh	OK
8	Q2078-06	WC-A4-05-C	SAM	05/20/25 16:48		Jignesh	OK
9	Q2078-10	WC-A1-06A-C	SAM	05/20/25 16:50		Jignesh	OK
10	Q2078-14	WC-A1-07A-C	SAM	05/20/25 16:55		Jignesh	OK
11	Q2078-18	WC-A4-06-C	SAM	05/20/25 17:00		Jignesh	OK
12	Q2079-02	WC-A2-01-C	SAM	05/20/25 17:02		Jignesh	OK
13	Q2079-06	WC-A2-02-C	SAM	05/20/25 17:05		Jignesh	OK
14	Q2079-10	WC-A2-03-C	SAM	05/20/25 17:10		Jignesh	OK
15	CCV2	CCV2	CCV	05/20/25 17:11		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135852

Review By	jignesh	Review On	5/21/2025 12:43:21 PM
Supervise By	Iwona	Supervise On	5/21/2025 1:56:44 PM
SubDirectory	LB135852	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,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/20/25 16:30		Jignesh	OK
2	CAL2	CAL2	CAL	05/20/25 16:31		Jignesh	OK
3	CAL3	CAL3	CAL	05/20/25 16:33		Jignesh	OK
4	ICV	ICV	ICV	05/20/25 16:34		Jignesh	OK
5	CCV1	CCV1	CCV	05/20/25 16:35		Jignesh	OK
6	Q2078-03	WC-A4-04-C	SAM	05/20/25 16:44		Jignesh	OK
7	Q2078-03DUP	WC-A4-04-CDUP	DUP	05/20/25 16:45		Jignesh	OK
8	Q2078-07	WC-A4-05-C	SAM	05/20/25 16:48		Jignesh	OK
9	Q2078-11	WC-A1-06A-C	SAM	05/20/25 16:50		Jignesh	OK
10	Q2078-15	WC-A1-07A-C	SAM	05/20/25 16:55		Jignesh	OK
11	Q2078-19	WC-A4-06-C	SAM	05/20/25 17:00		Jignesh	OK
12	Q2079-03	WC-A2-01-C	SAM	05/20/25 17:02		Jignesh	OK
13	Q2079-07	WC-A2-02-C	SAM	05/20/25 17:05		Jignesh	OK
14	Q2079-11	WC-A2-03-C	SAM	05/20/25 17:10		Jignesh	OK
15	Q2084-05	OR-640-COMP-66	SAM	05/20/25 17:15		Jignesh	OK
16	CCV2	CCV2	CCV	05/20/25 17:20		Jignesh	OK
17	Q2092-02	VNJ-202	SAM	05/20/25 17:22		Jignesh	OK
18	Q2093-02	SOIL-DRUM	SAM	05/20/25 17:25		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135852

Review By	jignesh	Review On	5/21/2025 12:43:21 PM
Supervise By	Iwona	Supervise On	5/21/2025 1:56:44 PM
SubDirectory	LB135852	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,W3071,W3161,W3072

19	Q2095-04	WCS-TP1	SAM	05/20/25 17:33		Jignesh	OK
20	Q2095-08	WCS-TP2	SAM	05/20/25 17:40		Jignesh	OK
21	Q2099-01	OILY-DEBRIS	SAM	05/20/25 17:48		Jignesh	OK
22	CCV3	CCV3	CCV	05/20/25 17:50		Jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135872

Review By	jignesh	Review On	5/21/2025 4:19:31 PM
Supervise By	Iwona	Supervise On	5/22/2025 11:32:51 AM
SubDirectory	LB135872	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	W3204,M6069,EP2614,WP112782,NA,NA,WP112783,NA,WO112784

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB135872BL	LB135872BL	MB	05/21/25 15:25		jignesh	OK
2	LB135872BS	LB135872BS	LCS	05/21/25 15:25		jignesh	OK
3	Q2078-04	WC-A4-04-C	SAM	05/21/25 15:25		jignesh	OK
4	Q2078-04DUP	WC-A4-04-CDUP	DUP	05/21/25 15:25		jignesh	OK
5	Q2078-04MS	WC-A4-04-CMS	MS	05/21/25 15:25		jignesh	OK
6	Q2078-04MSD	WC-A4-04-CMSD	MSD	05/21/25 15:25		jignesh	OK
7	Q2078-08	WC-A4-05-C	SAM	05/21/25 15:25		jignesh	OK
8	Q2078-12	WC-A1-06A-C	SAM	05/21/25 15:25		jignesh	OK
9	Q2078-16	WC-A1-07A-C	SAM	05/21/25 15:25		jignesh	OK
10	Q2078-20	WC-A4-06-C	SAM	05/21/25 15:25		jignesh	OK
11	Q2079-04	WC-A2-01-C	SAM	05/21/25 15:25		jignesh	OK
12	Q2079-08	WC-A2-02-C	SAM	05/21/25 15:25		jignesh	OK
13	Q2079-12	WC-A2-03-C	SAM	05/21/25 15:25		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135879

Review By	jignesh	Review On	5/23/2025 8:01:45 AM
Supervise By	Iwona	Supervise On	5/23/2025 9:43:45 AM
SubDirectory	LB135879	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	LB135879BL	LB135879BL	MB	05/22/25 11:00		jignesh	OK
2	Q2078-04	WC-A4-04-C	SAM	05/22/25 11:00		jignesh	OK
3	Q2078-04DUP	WC-A4-04-CDUP	DUP	05/22/25 11:00		jignesh	OK
4	Q2078-08	WC-A4-05-C	SAM	05/22/25 11:00		jignesh	OK
5	Q2078-12	WC-A1-06A-C	SAM	05/22/25 11:00		jignesh	OK
6	Q2078-16	WC-A1-07A-C	SAM	05/22/25 11:00		jignesh	OK
7	Q2078-20	WC-A4-06-C	SAM	05/22/25 11:00		jignesh	OK
8	Q2079-04	WC-A2-01-C	SAM	05/22/25 11:00		jignesh	OK
9	Q2079-08	WC-A2-02-C	SAM	05/22/25 11:00		jignesh	OK
10	Q2079-12	WC-A2-03-C	SAM	05/22/25 11:00		jignesh	OK

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Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB135884

Review By	Iwona	Review On	5/22/2025 2:35:00 PM
Supervise By	jignesh	Supervise On	5/22/2025 2:43:43 PM
SubDirectory	LB135884	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	WP113144,WP113143,WP113141,WP113140,WP113139,WP113145,WP113146,W3128

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL4	CAL4	CAL	05/20/25 10:51		Iwona	OK
2	CAL1	CAL1	CAL	05/20/25 12:50		Iwona	OK
3	CAL2	CAL2	CAL	05/20/25 12:50		Iwona	OK
4	CAL3	CAL3	CAL	05/20/25 12:51		Iwona	OK
5	CAL5	CAL5	CAL	05/20/25 12:52		Iwona	OK
6	ICV	ICV	ICV	05/20/25 12:53		Iwona	OK
7	ICB	ICB	ICB	05/20/25 12:53		Iwona	OK
8	CCV1	CCV1	CCV	05/22/25 13:20		Iwona	OK
9	CCB1	CCB1	CCB	05/22/25 13:20		Iwona	OK
10	LB135884BL	LB135884BL	MB	05/22/25 13:21		Iwona	OK
11	LB135884BS	LB135884BS	LCS	05/22/25 13:21		Iwona	OK
12	Q2078-04	WC-A4-04-C	SAM	05/22/25 13:22		Iwona	OK
13	Q2078-04DUP	WC-A4-04-CDUP	DUP	05/22/25 13:22		Iwona	OK
14	Q2078-04MS	WC-A4-04-CMS	MS	05/22/25 13:23		Iwona	OK
15	Q2078-04MSD	WC-A4-04-CMSD	MSD	05/22/25 13:23		Iwona	OK
16	Q2078-08	WC-A4-05-C	SAM	05/22/25 13:24		Iwona	OK
17	Q2078-12	WC-A1-06A-C	SAM	05/22/25 13:24		Iwona	OK
18	Q2078-16	WC-A1-07A-C	SAM	05/22/25 13:25		Iwona	OK

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Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB135884

Review By	Iwona	Review On	5/22/2025 2:35:00 PM
Supervise By	jignesh	Supervise On	5/22/2025 2:43:43 PM
SubDirectory	LB135884	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	WP113144,WP113143,WP113141,WP113140,WP113139,WP113145,WP113146,W3128

19	Q2078-20	WC-A4-06-C	SAM	05/22/25 13:25		Iwona	OK
20	CCV2	CCV2	CCV	05/22/25 13:26		Iwona	OK
21	CCB2	CCB2	CCB	05/22/25 13:26		Iwona	OK
22	Q2079-04	WC-A2-01-C	SAM	05/22/25 13:27		Iwona	OK
23	Q2079-08	WC-A2-02-C	SAM	05/22/25 13:27		Iwona	OK
24	Q2079-12	WC-A2-03-C	SAM	05/22/25 13:28		Iwona	OK
25	CCV3	CCV3	CCV	05/22/25 13:28		Iwona	OK
26	CCB3	CCB3	CCB	05/22/25 13:29		Iwona	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135885

Review By	rubina	Review On	5/23/2025 10:19:05 AM
Supervise By	Iwona	Supervise On	5/23/2025 11:26:26 AM
SubDirectory	LB135885	Test	ASTM Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP113183
ICV Standard	WP113185
CCV Standard	WP113184
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112987
Chk Standard	WP112897,WP111745,WP111385,WP111660

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	05/22/25 10:54		rubina	OK
2	0.1PPM	0.1PPM	CAL2	05/22/25 10:54		rubina	OK
3	0.2PPM	0.2PPM	CAL3	05/22/25 10:54		rubina	OK
4	0.4PPM	0.4PPM	CAL4	05/22/25 10:54		rubina	OK
5	1.0PPM	1.0PPM	CAL5	05/22/25 10:54		rubina	OK
6	1.3PPM	1.3PPM	CAL6	05/22/25 10:54		rubina	OK
7	2.0PPM	2.0PPM	CAL7	05/22/25 10:54		rubina	OK
8	ICV1	ICV1	ICV	05/22/25 12:53		rubina	OK
9	ICB1	ICB1	ICB	05/22/25 12:53		rubina	OK
10	CCV1	CCV1	CCV	05/22/25 12:53		rubina	OK
11	CCB1	CCB1	CCB	05/22/25 12:53		rubina	OK
12	PB168114BL	PB168114BL	MB	05/22/25 12:53		rubina	OK
13	PB168114BS	PB168114BS	LCS	05/22/25 12:53		rubina	OK
14	PB168114TB	PB168114TB	MB	05/22/25 13:03		rubina	OK
15	Q2078-08	WC-A4-05-C	SAM	05/22/25 13:03		rubina	OK
16	Q2078-12	WC-A1-06A-C	SAM	05/22/25 13:03		rubina	OK
17	Q2078-16	WC-A1-07A-C	SAM	05/22/25 13:03		rubina	OK
18	CCV2	CCV2	CCV	05/22/25 13:03		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135885

Review By	rubina	Review On	5/23/2025 10:19:05 AM
Supervise By	Iwona	Supervise On	5/23/2025 11:26:26 AM
SubDirectory	LB135885	Test	ASTM Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP113183
ICV Standard	WP113185
CCV Standard	WP113184
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112987
Chk Standard	WP112897,WP111745,WP111385,WP111660

19	CCB2	CCB2	CCB	05/22/25 13:03		rubina	OK
20	Q2078-20	WC-A4-06-C	SAM	05/22/25 13:11		rubina	OK
21	Q2079-04	WC-A2-01-C	SAM	05/22/25 13:11		rubina	OK
22	Q2079-08	WC-A2-02-C	SAM	05/22/25 13:11		rubina	OK
23	Q2079-12	WC-A2-03-C	SAM	05/22/25 13:11		rubina	OK
24	Q2078-04	WC-A4-04-C	SAM	05/22/25 13:41		rubina	OK
25	Q2078-04DUP	WC-A4-04-CDUP	DUP	05/22/25 13:41		rubina	OK
26	Q2078-04MS	WC-A4-04-CMS	MS	05/22/25 13:41		rubina	OK
27	Q2078-04MSD	WC-A4-04-CMSD	MSD	05/22/25 13:41		rubina	OK
28	CCV3	CCV3	CCV	05/22/25 13:41		rubina	OK
29	CCB3	CCB3	CCB	05/22/25 13:41		rubina	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135900

Review By	jignesh	Review On	5/23/2025 1:58:47 PM
Supervise By	Iwona	Supervise On	5/23/2025 2:35:59 PM
SubDirectory	LB135900	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,EP2614,NA,NA,E2865,WP112785,NA,WP112786

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB135900BL	LB135900BL	MB	05/23/25 09:30		jignesh	OK
2	LB135900BS	LB135900BS	LCS	05/23/25 09:30		jignesh	OK
3	Q2078-02	WC-A4-04-C	SAM	05/23/25 09:30		jignesh	OK
4	Q2078-06	WC-A4-05-C	SAM	05/23/25 09:30		jignesh	OK
5	Q2078-10	WC-A1-06A-C	SAM	05/23/25 09:30		jignesh	OK
6	Q2078-14	WC-A1-07A-C	SAM	05/23/25 09:30		jignesh	OK
7	Q2078-18	WC-A4-06-C	SAM	05/23/25 09:30		jignesh	OK
8	Q2079-02	WC-A2-01-C	SAM	05/23/25 09:30		jignesh	OK
9	Q2079-06	WC-A2-02-C	SAM	05/23/25 09:30		jignesh	OK
10	Q2079-10	WC-A2-03-C	SAM	05/23/25 09:30		jignesh	OK
11	Q2079-10DUP	WC-A2-03-CDUP	DUP	05/23/25 09:30		jignesh	OK
12	Q2079-10MS	WC-A2-03-CMS	MS	05/23/25 09:30		jignesh	OK
13	Q2079-10MSD	WC-A2-03-CMSD	MSD	05/23/25 09:30		jignesh	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q2078

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 : PB168061,PB168070,PB168114,

Sequence ID/Qc Batch ID: LB135841,LB135842,LB135845,LB135846,LB135847,LB135848,LB135851,LB135852,LB135872,LB13

Standard ID :
EP2614,WP111294,WP111317,WP111318,WP111325,WP111385,WP111660,WP111745,WP112611,WP112612,WP112643,WP112782,WP112783,WP112785,WP112786,WP112828,WP112897,WP112900,WP112986,WP112987,WP113086,WP113137,WP113138,WP113139,WP113140,WP113141,WP113143,WP113144,WP113145,WP113146,WP113157,WP113158,WP113159,WP113160,WP113161,WP113162,WP113163,WP113164,WP113166,WP113183,WP113184,WP113185,

Chemical ID :
AS PER
PB168128,E2865,E3551,E3917,M6041,M6069,M6151,W2666,W2668,W2700,W2725,W2784,W2817,W2858,W2871,W2926,W3009,W3019,W3071,W3072,W3082,W3093,W3105,W3112,W3113,W3114,W3128,W3132,W3139,W3140,W3149,W3154,W3161,W3169,W3174,W3178,W3191,W3195,W3196,W3203,W3204,WO 112784,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/19/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
11	Sodium hydroxide absorbing solution 0.25 N	WP111294	01/07/2025	07/07/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 01/07/2025

FROM 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1796	NaOH, 0.1N	WP111317	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_7 (WCSC-6)	None	Iwona Zarych 01/09/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1471	NaOH Solution, 6N	WP111318	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_7 (WCSC-6)	None	Iwona Zarych 01/09/2025

FROM 240.00000gram of W3113 + 760.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1494	BORATE BUFFER	WP111325	01/09/2025	07/09/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/09/2025

FROM 100.00000L of W3112 + 9.50000gram of W2700 + 88.00000ml of WP111317 = Final Quantity: 100.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
290	Phenol reagent for Ammonia	WP111385	01/13/2025	07/13/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 01/13/2025

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

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
635	EDTA BUFFER FOR AMMONIA	WP111660	01/28/2025	07/28/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 01/28/2025

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

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

FROM 50.00000ml of W3112 + 50.00000ml of W3174 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
153	Ammonia Stock Std. (1000 ppm)	WP112611	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/07/2025

FROM 3.81900gram of W3196 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1895	Ammonia Stock Std, 1000PPM-SS	WP112612	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/07/2025

FROM 3.81900gram of W3195 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 04/09/2025

FROM 138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml

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

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

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2470	1664A SPIKING SOLN	WP112783	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/22/2025

FROM 1000.00000ml of E3917 + 4.00000gram of W2817 + 4.00000gram of W2871 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3931	Spiking std for 9071B	WP112785	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/22/2025

FROM 1.00000gram of W2817 + 1.00000gram of W2871 + 1000.00000ml of E3917 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3873	Spiking solution for 9071B - SS	WP112786	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/22/2025

FROM 1.00000gram of W3009 + 1.00000gram of W3082 + 1000.00000L of E3917 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1597	0.04 N H2SO4	WP112828	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 04/25/2025

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

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
740	sodium nitroferricyanide for ammonia	WP112897	04/30/2025	05/30/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 05/01/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
607	PYRIDINE-BARBITURIC ACID	WP112900	05/01/2025	08/18/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	Glass Pipette-A	Iwona Zarych 05/01/2025

FROM 145.00000ml of W3112 + 15.00000gram of W3203 + 15.00000ml of M6151 + 75.00000ml of W3019 = Final Quantity: 250.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1322	Ammonia Intermediate Std, 50PPM	WP112986	05/07/2025	06/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 05/07/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP112611 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1639	Ammonia Intermediate Std-Second source, 50PPM	WP112987	05/07/2025	06/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 05/07/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP112612 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
160	0.5M ZINC ACETATE	WP113086	05/15/2025	08/18/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 05/15/2025

FROM 0.88900L of W3112 + 1.00000ml of M6151 + 110.00000gram of W2926 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2456	COD Stock std, 1000ppm	WP113137	05/20/2025	05/27/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/20/2025

FROM 0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2457	COD Stock std-SS, 1000ppm	WP113138	05/20/2025	05/27/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/20/2025

FROM 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
139	COD calibration std. 0 ppm	WP113139	05/20/2025	05/27/2025	Iwona Zarych	None	None	Jignesh Parikh 05/20/2025

FROM 10.00000ml of W3112 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
138	COD calibration std. 10 ppm	WP113140	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP113137 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
137	COD calibration std. 50 ppm	WP113141	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113137 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
136	COD calibration std. 100 ppm	WP113143	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP113137 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
135	COD calibration std. 150 ppm	WP113144	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 8.50000ml of W3112 + 1.50000ml of WP113137 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2458	COD CCV std, 50ppm	WP113145	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113137 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2459	COD ICV-LCS std, 50ppm	WP113146	05/20/2025	05/27/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/20/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113138 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3456	Cyanide Intermediate Working Std, 5PPM	WP113157	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 0.25000ml of W3154 + 49.75000ml of WP111294 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4	Calibation standard 500 ppb	WP113158	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 45.00000ml of WP111294 + 5.00000ml of WP113157 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3761	Calibration-CCV CN Standard 250 ppb	WP113159	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 2.50000ml of WP113157 + 47.50000ml of WP111294 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
6	Calibration Standard 100 ppb	WP113160	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 1.00000ml of WP113157 + 49.00000ml of WP111294 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
7	Calibration Standard 50 ppb	WP113161	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 0.50000ml of WP113157 + 49.50000ml of WP111294 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
8	Calibration Standard 10 ppb	WP113162	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 1.00000ml of WP113158 + 49.00000ml of WP111294 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
9	Calibration Standard 5 ppb	WP113163	05/20/2025	05/21/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/21/2025

FROM 0.50000ml of WP113158 + 49.50000ml of WP111294 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
167	0 ppb CN calibration std	WP113164	05/20/2025	05/21/2025	Iwona Zarych	None	None	Jignesh Parikh 05/21/2025

FROM 50.00000ml of WP111294 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1582	Chloramine T solution, 0.014M	WP113166	05/20/2025	05/21/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/21/2025

FROM 0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
275	Ammonia Calibration Std. (2 ppm)	WP113183	05/22/2025	05/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/22/2025

FROM 48.00000ml of W3112 + 2.00000ml of WP112986 = Final Quantity: 50.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
285	Ammonia CCV Std. (1 ppm)	WP113184	05/22/2025	05/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/22/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP112986 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
286	Ammonia ICV Std. (1 ppm)	WP113185	05/22/2025	05/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/22/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP112987 = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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

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

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

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

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

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CHEMICAL RECEIPT LOG BOOK

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, CRYS, 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.	J3568-1 / Sodium Borate, 500 gms	2019111354	04/23/2025	04/23/2020 / apatel	03/11/2020 / apatel	W2700

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EMD-FX0410-5 / FORMALDEHYDE SOLUTION 450ML	60045	06/22/2025	08/19/2024 / Iwona	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.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	201089	06/30/2025	12/23/2020 / apatel	12/16/2020 / apatel	W2784

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

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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	M13H048	01/07/2026	07/07/2021 / apatel	07/07/2021 / apatel	W2858

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J4296-1 / ZINC ACETATE,DIHYD,CRYS,ACS,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.	AL14455-3 / buffer solution pH 7 yellow	4308H30	07/31/2025	01/02/2024 / JIGNESH	12/06/2023 / lwona	W3071

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14940-1 / Buffer Solution, PH12 (500ml)	2310P21	04/30/2025	01/02/2024 / JIGNESH	12/07/2023 / Iwona	W3072

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

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

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

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

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CHEMICAL RECEIPT LOG BOOK

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	2405D89	05/31/2025	07/10/2024 / Iwona	07/10/2024 / Iwona	W3114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	13821	10/31/2027	05/20/2025 / Iwona	07/25/2024 / Iwona	W3128

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK	10D0142	09/17/2029	09/17/2024 / Iwona	09/17/2024 / Iwona	W3140

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

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CHEMICAL RECEIPT LOG BOOK

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	1411J58	05/31/2025	12/02/2024 / Iwona	12/02/2024 / Iwona	W3154

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 / Iwona	12/09/2024 / Iwona	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 / Iwona	01/03/2025 / Iwona	W3169

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	24L0356561	08/31/2027	03/19/2025 / Iwona	03/19/2025 / Iwona	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 / Iwona	03/19/2025 / Iwona	W3196

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 / Iwona	04/21/2025 / Iwona	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

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

ThermoFisher SCIENTIFIC

Certificate of Analysis

W2858 Received by AP on 07/07/2021

Product No.: 33213

Product: Phenol, ACS, 99+%, stab.

Lot No.: M13H048

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

Retest date: January 7, 2026

ThermoFisher SCIENTIFIC

Certificate of Analysis

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.

ThermoFisher SCIENTIFIC

W2817
Rec. 04/02/2021

Product Specification

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:	QIQXTHQIDYTFRH-UHFFFAOYSA-N
SMILES:	CCCCCCCCCCCCCCCCCC(O)=O
Synonym:	stearic acid acide stearique hydrofol acid 1855 hydrofol acid 1655 industrene 5016 stearic acid, ion(1-) (8CI) glycon TP glycon DP acidum stearinicul 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.

RICCA CHEMICAL COMPANY®

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Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3071
Rec 12/6/23

Certificate of Analysis 12

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

Lot Number: 4308H30 **Product Number:** 1551

Manufacture Date: AUG 09, 2023
Expiration Date: JUL 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	Reagent

Test	Specification	Result	
Appearance	Yellow liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.002	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)
1551-2.5	10 L Cubitainer®	24 months
1551-5	20 L Cubitainer®	24 months

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

Paul Brandon (08/09/2023)
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

Sigma-Aldrich

W3009

rec. 2/27/2023 12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Hexadecane - ReagentPlus® , 99%

Product Number:	**H6703**
Batch Number:	**SHBP8192**
Brand:	SIAL
CAS Number:	544-76-3
MDL Number:	MFCD00008998
Formula:	C16H34
Formula Weight:	226.44 g/mol
Quality Release Date:	04 AUG 2022

$CH_3(CH_2)_{14}CH_3$

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.

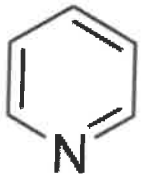
W3019
Rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside 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

RICCA CHEMICAL COMPANY®

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Pocomoke City, MD 21851
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customerservice@riccachemical.com

W3072
rec. 12/01/23
12

Certificate of Analysis

Buffer, Reference Standard, pH 12.00 ± 0.01 at 25°C

Lot Number: 2310P21 **Product Number:** 1615

Manufacture Date: OCT 24, 2023
Expiration Date: APR 2025

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

Test	Specification	Result	
Appearance	Colorless liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	12.005	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
1615-32	1 L natural poly	18 months
1615-5	20 L Cubitainer®	18 months

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

Sharon Travers (10/24/2023)
Operations 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

W2723, W2724, W2725, W2726 Received on 6/22/20 by AP

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 (SO4)		0.002	<0.0020	%
Titrable 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

Certificate Of Analysis

Date of Release: 11/14/2019

W2700 Recived by AP on 3/11/2020

Name: **Sodium Borate, Decahydrate**
ACS

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

Item	Specifications	Analysis
Assay (Na2B4O7 • 10H2O)	99.5 - 105.0%	101.7%
Calcium (Ca)	0.005% max.	0.003%
Chloride (Cl)	0.001% max.	<0.001%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy Metals (as Pb)	0.001% max.	<0.001%
Insoluble Matter	0.005% max.	0.002%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.01 M solution at 25C	9.15 - 9.20	9.17
Phosphate (PO4)	0.001% max.	<0.001%
Sulfate (SO4)	0.005% max.	<0.005%

Joe Schoellkopff

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.

ThermoFisher SCIENTIFIC

Certificate of Analysis

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

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

This is to certify that units of the lot number below 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 final formulator and end user 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 following information is the actual analytical results obtained.

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

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

Julian Burton

Julian Burton - Quality Control Manager – Fair Lawn

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

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

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

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

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

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

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by RB on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

JCroak
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

M 6041-46
MS

avantor™ | J.T.Baker®

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_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (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™ | J.T.Baker®

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

James T Ethier

Jamie Ethier
Vice President Global Quality

R: 8/19/24 M6069

MACHEREY-NAGEL

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
Valencienner Str. 11
52355 Düren · Germany
www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com
CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
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™ | J.T.Baker®

M6151

R→ 1/15/25

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

avantor™ | J.T.Baker®

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

avantor™ | J.T.Baker®

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

Test	Specification	Result

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

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

James T Ethier

Jamie Ethier
Vice President Global Quality

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 ($NaH_2PO_4 \cdot H_2O$)	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

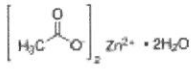
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

W2926
open 7/5/22
received
on
7/5/22

Certificate of Analysis

Product Name:
Zinc acetate dihydrate - ACS reagent, ≥98%



Product Number:	**383058**
Batch Number:	**MKCQ9159**
Brand:	SIGALD
CAS Number:	5970-45-6
MDL Number:	MFCD00066961
Formula:	C4H6O4Zn · 2H2O
Formula Weight:	219.51 g/mol
Quality Release Date:	06 JAN 2022

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	≤ 0.005 %	0.003 %
Calcium (Ca)	≤ 0.005 %	0.003 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 5 ppm
Potassium (K)	≤ 0.01 %	0.00 %
Magnesium (Mg)	≤ 0.005 %	0.003 %
Sodium (Na)	≤ 0.05 %	0.03 %
Lead (Pb)	≤ 0.002 %	< 0.001 %
pH	6.0 - 7.0	6.1
Sulfate (SO4)	≤ 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

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 %

This document has been electronically generated and does not require a signature.

RICCA CHEMICAL COMPANY®

1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3093 0941 04/03/2024 LG

Certificate of Analysis

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

RICCA CHEMICAL COMPANY®

1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3105 Received on 4/22/24 by IZ

Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13 **Product Number:** 7900

Manufacture Date: MAR 29, 2024
Expiration Date: SEP 2025

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

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

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

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

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

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

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

Paul Brandon (03/29/2024)
Production Manager
This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

Certificate of Analysis

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

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.

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: **0583**

Grade: **ACS GRADE**

Batch Number: **23B1556310**

Chemical Formula:	NaOH	Manufacture Date:	12/14/2022
Molecular Weight:	40	Expiration Date:	12/31/2025
CAS #:	1310-73-2		
Appearance:		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.

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Certificate of Analysis

Iodine (Iodine-Iodide), 0.0250 Normal (N/40), 1 mL = 0.4008 mg S^{2-}

Lot Number: 2405D89 **Product Number:** 3975

Manufacture Date: MAY 10, 2024
Expiration Date: MAY 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Dark brown liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	0.02498-0.02502 N at 20°C	0.02502 N at 20°C	136

Specification	Reference
Standard Iodine Solution, 0.0250 N	APHA (4500-S2- F)
Iodine Solution (approximately 0.025 N)	EPA (SW-846) (9031)
Standard Iodine Solution, 0.0250 N	EPA (376.1)
Iodine Solution (approximately 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)
3975-1	4 L amber glass	12 months
3975-16	500 mL amber glass	12 months
3975-32	1 L amber glass	12 months

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

Jose Pena (05/10/2024)
Operations Manager

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

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

October 27, 2022

CERTIFICATE OF ANALYSIS

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

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

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

spectrum® CHEMICAL MFG CORP

Certificate Of Analysis

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[$n[(HOCOCH_2)_3N]$]		0.1 %	<0.10 %
IDENTIFICATION A	MATCHES REFERENCE		MATCHES REFERENCE
IDENTIFICATION B	RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION		RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION
IDENTIFICATION C	MEETS THE REQUIREMENTS FOR SODIUM		MEETS THE REQUIREMENTS FOR SODIUM
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			10-JUL-2026
DATE OF MANUFACTURE			11-JUL-2023
APPEARANCE			WHITE CRYSTALLINE POWDER
RESIDUAL SOLVENTS		AS REPORTED	NO RESIDUAL SOLVENTS PRESENT
MONOGRAPH EDITION			USP 2024

Certificate of Analysis Results Entered By:

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

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.

ThermoFisher SCIENTIFIC

Certificate of Analysis

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

RICCA CHEMICAL COMPANY®

W3149 Received on 10/16/24 by IZ

1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
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customerservice@riccachemical.com

Certificate of Analysis

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

Lot Number: 4408P62 **Product Number:** 8000

Manufacture Date: AUG 28, 2024
Expiration Date: AUG 2026

This product is Mercury-free.

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

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

Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-Cl 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-Cl 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)

Paul Brandon (08/28/2024)
Production Manager

RICCA CHEMICAL COMPANY®
W3154 Rec. on 12/2/24 by IZ

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
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Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1411J58 **Product Number:** 2543

Manufacture Date: NOV 22, 2024
Expiration Date: MAY 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec 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

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)

Luis Briceno (11/22/2024)
Operations Supervisor

RICCA CHEMICAL COMPANY®

W3161 Rec. on 12/09/24 by IZ

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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

Certificate of Analysis

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	HOOCC6H4COOK
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

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

Additional Information

Analysis may have been rounded to significant digits in specification limits

Product meets analytical specifications of the grades listed.

RICCA CHEMICAL COMPANY®

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Certificate of Analysis

Sodium Hypochlorite Solution, 5% available Chlorine

Lot Number: 2501J28 **Product Number:** 7495.5

Manufacture Date: JAN 17, 2025
Expiration Date: JUL 2025

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

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

Test	Specification	Result	NIST SRM#
Appearance	Colorless to greenish-yellow liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	4.75-5.25 % (w/w) Cl_2	5.17 % (w/w) Cl_2	136

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

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

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

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

Jose Pena (01/17/2025)
Operations Manager

RICCA CHEMICAL COMPANY®

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Certificate of Analysis

W3178 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	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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W3191 W3191 Receive Date: 03/18/25 JP

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	*Not a certified value.

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

W3195 Received on 03/19/2025 by IZ

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	NH4Cl
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

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

Additional Information

Analysis may have been rounded to significant digits in specification limits

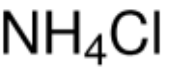
Product meets analytical specifications of the grades listed.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

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 AgNO3	≥ 99.5 %	100.2 %
pH @ 25 Deg c (5% Solution)	4.5 - 5.5	4.9
Insoluble Matter 10%, H2O	≤ 0.005 %	0.001 %
Residue on ignition (Ash)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 5 ppm	1 ppm
Heavy Metals by ICP	≤ 5 ppm	< 1 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Phosphate (PO4)	≤ 2 ppm	< 2 ppm
Sulfate (SO4)	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 3 Years	----------	----------

Larry Coers, Director

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: **213330**
Batch Number: **MKCV1009**

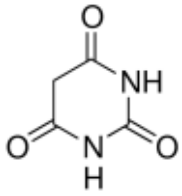
Quality Control
Milwaukee, WI US

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Barbituric acid - ReagentPlus® , 99%

Product Number:	**185698**
Batch Number:	**WXBF3271V**
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 %) VPCT	≥ 98 %	100 %

Kang Chen
Quality Manager
Wuxi , China CN

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

avantor™ | J.T.Baker

UU3204
OPEN: 04/22/2025
JB

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) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 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

JCroak
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

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:32
Out Date: 05/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135838

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
Q2078-02	WC-A4-04-C	1	1.15	10.80	11.95	9.4	76.4	
Q2078-06	WC-A4-05-C	2	1.15	10.43	11.58	9.42	79.3	
Q2078-10	WC-A1-06A-C	3	1.16	10.55	11.71	9.26	76.8	
Q2078-14	WC-A1-07A-C	4	1.15	9.99	11.14	9.05	79.1	
Q2078-18	WC-A4-06-C	5	1.13	10.77	11.9	9.68	79.4	
Q2079-02	WC-A2-01-C	6	1.18	10.33	11.51	9.02	75.9	
Q2079-06	WC-A2-02-C	7	1.18	10.18	11.36	9.29	79.7	
Q2079-10	WC-A2-03-C	8	1.16	10.47	11.63	9.53	79.9	
Q2084-01	OR-640-COMP-66	9	1.15	10.74	11.89	9.9	81.5	
Q2084-02	OR-640-VOC-66	10	1.19	9.99	11.18	9.86	86.8	
Q2084-03	OR-640-146	11	1.13	10.56	11.69	10.55	89.2	
Q2084-04	OR-640-147	12	1.15	9.69	10.84	9.86	89.9	
Q2085-01	SC-4-SED-051525	13	1.19	10.24	11.43	8.94	75.7	
Q2085-02	SC-3-SED-051525	14	1.16	9.94	11.1	8.5	73.8	
Q2085-03	SC-2-SED-051525	15	1.17	9.99	11.16	9.09	79.3	
Q2085-04	SC-1-SED-051625	16	1.18	10.21	11.39	8.38	70.5	
Q2085-05	Q2085-04MS	17	1.18	10.21	11.39	8.38	70.5	
Q2085-06	Q2085-04MSD	18	1.18	10.21	11.39	8.38	70.5	
Q2085-07	SC-COMP-SED-051625	19	1.19	10.61	11.8	8.99	73.5	
Q2085-08	DUPE-1-SC	20	1.13	10.31	11.44	8.99	76.2	
Q2087-01	NB-07-05202025	27	1.15	10.38	11.53	10.68	91.8	
Q2087-02	NB-07-05202025-E2	28	1.15	9.53	10.68	10.64	99.6	
Q2087-03	NB-08-05202025	29	1.16	10.46	11.62	11.1	95.0	
Q2087-04	NB-08-05202025-E2	30	1.13	10.07	11.2	10.5	93.0	
Q2092-01	VNJ-202	31	1.15	10.56	11.71	10.45	88.1	
Q2093-01	SOIL-DRUMS	32	1.12	10.22	11.34	5.78	45.6	
Q2094-01	COMP-1	33	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-02	COMP-2	34	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 05/20/2025
Weight Check 1.0g: 1.00
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OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:32
Out Date: 05/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135838

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
Q2094-03	COMP-3	35	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-04	COMP-4	36	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-05	COMP-5	37	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2095-01	WCS-TP1	21	1.15	10.00	11.15	10.47	93.2	
Q2095-02	WCS-TP1-EPH	22	1.14	10.61	11.75	10.98	92.7	
Q2095-03	WCS-TP1-VOC	23	1.14	10.05	11.19	10.8	96.1	
Q2095-05	WCS-TP2	24	1.19	10.48	11.67	10.57	89.5	
Q2095-06	WCS-TP2-EPH	25	1.13	10.25	11.38	10.5	91.4	
Q2095-07	WCS-TP2-VOC	26	1.19	10.56	11.75	11.22	95.0	
Q2097-01	ETGI-357	38	1.14	9.84	10.98	9.98	89.8	
Q2097-03	RBR200044	39	1.14	10.23	11.37	10.25	89.1	
Q2097-05	RBR251675	40	1.13	10.75	11.88	11.14	93.1	
Q2097-07	VNJ-244	41	1.15	10.55	11.7	10.77	91.2	
Q2097-09	ETGI-290	42	1.17	10.72	11.89	11.8	99.2	
Q2097-11	RT3419	43	1.13	10.65	11.78	11.15	94.1	
Q2097-13	RBR251372	44	1.15	10.70	11.85	11.22	94.1	
Q2097-15	72-12013	45	1.15	10.72	11.87	11.37	95.3	
Q2097-17	RT-3888	46	1.15	10.84	11.99	11.21	92.8	
Q2099-01	OILY-DEBRIS	47	1.13	10.74	11.87	10.44	86.7	

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

WORKLIST(Hardcopy Internal Chain)

135838

WorkList Name : %1-052025 **WorkList ID :** 189622 **Department :** Wet-Chemistry **Date :** 05-20-2025 08:38:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-06	WC-A4-05-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-10	WC-A1-06A-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-14	WC-A1-07A-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-18	WC-A4-06-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2079-02	WC-A2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/14/2025	Chemtech -SO
Q2079-06	WC-A2-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2079-10	WC-A2-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2084-01	OR-640-COMP-66	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2084-02	OR-640-VOC-66	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2084-03	OR-640-146	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2084-04	OR-640-147	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2085-01	SC-4-SED-051525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2085-02	SC-3-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-03	SC-2-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-04	SC-1-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-05	Q2085-04MS	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-06	Q2085-04MSD	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-07	SC-COMP-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/16/2025	Chemtech -SO
Q2085-08	DUPE-1-SC	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/16/2025	Chemtech -SO
Q2087-01	NB-07-05202025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO

Date/Time 05/20/25 10:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/20/25 17:45

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

NB 135838

WorkList Name : %1-052025 **WorkList ID :** 189622 **Department :** Wet-Chemistry **Date :** 05-20-2025 08:38:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2087-02	NB-07-05202025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2087-03	NB-08-05202025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2087-04	NB-08-05202025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2092-01	VNJ-202	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2093-01	SOIL-DRUMS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-01	WCS-TP1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-02	WCS-TP1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-03	WCS-TP1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-05	WCS-TP2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-06	WCS-TP2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-07	WCS-TP2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-01	ETGI-357	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-03	RBR200044	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-05	RBR251675	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-07	VNJ-244	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-09	ETGI-290	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO

Date/Time 05/20/25 16:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05/20/25 16:45

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

WB 135838

WorkList Name : %1-052025 **WorkList ID :** 189622 **Department :** Wet-Chemistry **Date :** 05-20-2025 08:38:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2097-11	RT3419	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-13	RBR251372	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-15	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-17	RT-3888	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2099-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO

Date/Time 05/20/25 16:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 05/20/25 16:45
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2078

COC Number: 2042113

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**

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH (Method 1311/ 9045 H+B)	I/C/R	PCBs	Oil & Grease

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC-A4-04-G	Soil		X	5/13	12:00	1	X									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A4-04-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A4-05-G	Soil		X	5/13	12:00	1	X									
4.	WC-A4-05-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A1-06A-G	Soil		X	5/13	12:00	1	X									
6.	WC-A1-06A-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
7.	WC-A1-07A-G	Soil		X	5/13	12:00	1	X									
8.	WC-A1-07A-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
9.	WC-A4-06-G	Soil		X	5/14	12:00	1	X									
10.	WC-A4-06-C	Soil	X		5/14	12:00	11		X	X	X	X	X	X	X	X	

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. **Austin Farmerie**	5/19 **12:00**	RECEIVED BY 1.	1400 5-19-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 1930 5-19-25	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.7°C ☐ Ice in Cooler?:

Comments:

Page of

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

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2078

COC Number: 2042113

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**

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

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	E	E	E	E	E	E	E		
	1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles
1.	WC-A4-04-G	Soil		X	5/13	12:00	1
2.	WC-A4-04-C	Soil	X		5/13	12:00	11
3.	WC-A4-05-G	Soil		X	5/13	12:00	1
4.	WC-A4-05-C	Soil	X		5/13	12:00	11
5.	WC-A1-06A-G	Soil		X	5/13	12:00	1
6.	WC-A1-06A-C	Soil	X		5/13	12:00	11
7.	WC-A1-07A-G	Soil		X	5/13	12:00	1
8.	WC-A1-07A-C	Soil	X		5/13	12:00	11
9.	WC-A4-06-G	Soil		X	5/14	12:00	1
10.	WC-A4-06-C	Soil	X		5/14	12:00	11

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. **Austin Farmerie**	1400 5.19.25	RECEIVED BY 1.	1400 5.19.25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 1930 5.19.25	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.7 °C ☐ Ice in Cooler?:

Comments:

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

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

QA Control Code: A2070148