

DATA REPORTING QUALIFIERS- INORGANIC

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

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



LAB CHRONICLE

OrderID: Q2758	OrderDate: 8/1/2025 4:14:00 PM
Client: Sciacca General Contractors, LLC	Project: 92 Clifford Street, Newark
Contact: Rosanne Scirica	Location: D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2758-02	WASTE	SOIL			08/01/25 12:00			08/01/25
			Corrosivity	9045D			08/05/25 09:10	
			Ignitability	1030			08/06/25 10:35	
			Reactive Sulfide	9034		08/05/25	08/05/25 11:30	
			Reactive Cyanide	9012B		08/04/25	08/05/25 10:33	



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25 12:00
Project:	92 Clifford Street, Newark	Date Received:	08/01/25
Client Sample ID:	WASTE	SDG No.:	Q2758
Lab Sample ID:	Q2758-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.37	H	1	0	0	pH		08/05/25 09:10	9045D
Ignitability	NO		1	0	0	oC		08/06/25 10:35	1030
Reactive Cyanide	0.010	J	1	0.0083	0.050	mg/Kg	08/04/25 15:15	08/05/25 10:33	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	08/05/25 08:45	08/05/25 11:30	9034

Comments: pH result reported at temperature 20.4 °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



QC RESULT SUMMARY



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

Initial and Continuing Calibration Verification

Client: Sciacca General Contractors, LLC

SDG No.: Q2758

Project: 92 Clifford Street, Newark

RunNo.: LB136700

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Corrosivity	pH	6.99	7	100	90-110	08/05/2025
Sample ID: CCV1 Corrosivity	pH	2.01	2.00	101	90-110	08/05/2025
Sample ID: CCV2 Corrosivity	pH	12.02	12.00	100	90-110	08/05/2025

Initial and Continuing Calibration Verification

Client: Sciacca General Contractors, LLC	SDG No.: Q2758
Project: 92 Clifford Street, Newark	RunNo.: LB136704

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.094	0.099	95	85-115	08/05/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025

Initial and Continuing Calibration Verification

Client: Sciacca General Contractors, LLC

SDG No.: Q2758

Project: 92 Clifford Street, Newark

RunNo.: LB136704

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client: Sciacca General Contractors, LLC	SDG No.: Q2758
Project: 92 Clifford Street, Newark	RunNo.: LB136704

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	0.001	0.0025	J	0.00096	0.005	08/05/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/05/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	0.0012	0.0025	J	0.00096	0.005	08/05/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	0.00096	0.0025	J	0.00096	0.005	08/05/2025



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

Initial and Continuing Calibration Blank Summary

Client: Sciacca General Contractors, LLC

SDG No.: Q2758

Project: 92 Clifford Street, Newark

RunNo.: LB136704

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

Client: Sciacca General Contractors, LLC **SDG No.:** Q2758
Project: 92 Clifford Street, Newark

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169113BL							
Reactive Cyanide	mg/Kg	0.0089	0.0250	J	0.0084	0.05	08/05/2025
Sample ID: PB169127BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	08/05/2025

Duplicate Sample Summary

Client:	Sciacca General Contractors, LLC	SDG No.:	Q2758
Project:	92 Clifford Street, Newark	Sample ID:	Q2758-02
Client ID:	WASTEDUP	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		08/06/2025

Duplicate Sample Summary

Client: Sciacca General Contractors, LLC	SDG No.: Q2758
Project: 92 Clifford Street, Newark	Sample ID: Q2763-04
Client ID: TP-2DUP	Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.50		8.52		1	0.24		08/05/2025
Reactive Cyanide	mg/Kg	+/-20	0.010	J	0.011	J	1	10		08/05/2025
Reactive Sulfide	mg/Kg	+/-20	1.60	J	1.60	J	1	0		08/05/2025



RAW DATA

Analytical Summary Report

Analysis Method: 9045D
Parameter: Corrosivity
Run Number: LB136700
BalanceID: WC SC-7

Analyst By : jignesh
Supervisor Review By : Iwona
Slope : 98.3
pH Meter ID : WC PH METER-1

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

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

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

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

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.2	4.02	08/05/2025	08:45
2	CAL2	1	Water	NA	NA	20.2	7.00	08/05/2025	08:46
3	CAL3	1	Water	NA	NA	20.3	10.02	08/05/2025	08:47
4	ICV	1	Water	NA	NA	20.3	6.99	08/05/2025	08:50
5	CCV1	1	Water	NA	NA	20.2	2.01	08/05/2025	08:52
6	Q2758-02	1	Solid	20.02	20	20.4	7.37	08/05/2025	09:10
7	Q2759-02	1	Solid	20.03	20	20.6	6.90	08/05/2025	09:20
8	Q2763-04	1	Solid	20.04	20	22.7	8.50	08/05/2025	09:30
9	Q2763-04DUP	1	Solid	20.05	20	22.9	8.52	08/05/2025	09:34
10	CCV2	1	Water	NA	NA	20.3	12.02	08/05/2025	09:35

WORKLIST(Hardcopy Internal Chain)

136700

WorkList Name : corrossivity q2763 WorkList ID : 191106 Department : Wet-Chemistry Date : 08-05-2025 08:26:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2758-02	WASTE	Solid	Corrossivity	Cool 4 deg C	SCIA01	D21	08/01/2025	9045D
Q2759-02	SOLID-DRUMS	Solid	Corrossivity	Cool 4 deg C	PSEG03	D31	08/04/2025	9045D
Q2763-04	TP-2	Solid	Corrossivity	Cool 4 deg C	PSEG03	O23	08/04/2025	9045D

Date/Time 08/05/25 08:35
 Raw Sample Received by: RB WDC
 Raw Sample Relinquished by: RB C E A - (46)

Date/Time 08/05/25 12:30
 Raw Sample Received by: RB C E A - (46)
 Raw Sample Relinquished by: RB C E A - (46)

LB136704

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Test results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

8/5/2025 10:53

Reviewed by : RM Instrument ID : Konelab

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	94.446	0.0	0.078	
ICB1	1.036	0.0	0.001	
CCV1	246.493	0.0	0.204	
CCB1	0.929	0.0	0.001	
PB169113BL	0.894	0.0	0.001	
Q2752-03	0.777	0.0	0.001	
Q2753-02	1.060	0.0	0.001	
Q2754-01	0.960	0.0	0.001	
Q2758-02	1.049	0.0	0.001	
Q2759-02	0.972	0.0	0.001	
Q2763-04	1.041	0.0	0.001	
Q2763-04DUP	1.117	0.0	0.001	
PB169112BL	0.484	0.0	0.000	
Q2751-01	1.267	0.0	0.001	
CCV2	246.619	0.0	0.204	
CCB2	1.193	0.0	0.001	
Q2751-01DUP	1.255	0.0	0.001	
Q2754-02	0.960	0.0	0.001	
Q2759-04	0.903	0.0	0.001	
CCV3	250.493	0.0	0.207	
CCB3	0.958	0.0	0.001	
N	21			
Mean	40.710			
SD	89.0114			
CV%	218.65			

Aquakem v. 7.2AQ1

Results from time period:

Tue Aug 05 10:26:18 2025

Tue Aug 05 10:47:14 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	0.832	µg/l	8/5/2025 8:41:28	
5.0PPBCN	A	Total CN	P	5.6741	µg/l	8/5/2025 8:41:29	
10PPBCN	A	Total CN	P	10.8499	µg/l	8/5/2025 8:41:30	
50PPBCN	A	Total CN	P	48.8713	µg/l	8/5/2025 8:41:31	
100PPBCN	A	Total CN	P	97.2898	µg/l	8/5/2025 8:41:32	
250PPBCN	A	Total CN	P	251.7035	µg/l	8/5/2025 8:41:33	
500PPBCN	A	Total CN	P	499.7794	µg/l	8/5/2025 8:41:34	
ICV1	S	Total CN	P	94.4464	µg/l	8/5/2025 10:26:19	
ICB1	S	Total CN	P	1.0356	µg/l	8/5/2025 10:26:22	
CCV1	S	Total CN	P	246.4932	µg/l	8/5/2025 10:26:24	
CCB1	S	Total CN	P	0.9286	µg/l	8/5/2025 10:26:27	
PB169113BL	S	Total CN	P	0.8944	µg/l	8/5/2025 10:26:28	
Q2752-03	S	Total CN	P	0.7771	µg/l	8/5/2025 10:33:52	
Q2753-02	S	Total CN	P	1.0603	µg/l	8/5/2025 10:33:53	
Q2754-01	S	Total CN	P	0.9604	µg/l	8/5/2025 10:33:54	
Q2758-02	S	Total CN	P	1.0495	µg/l	8/5/2025 10:33:55	
Q2759-02	S	Total CN	P	0.9719	µg/l	8/5/2025 10:33:56	
Q2763-04	S	Total CN	P	1.0415	µg/l	8/5/2025 10:33:58	
Q2763-04DUP	S	Total CN	P	1.1173	µg/l	8/5/2025 10:34:00	
PB169112BL	S	Total CN	P	0.4838	µg/l	8/5/2025 10:41:25	
Q2751-01	S	Total CN	P	1.2673	µg/l	8/5/2025 10:41:26	
CCV2	S	Total CN	P	246.6187	µg/l	8/5/2025 10:41:29	
CCB2	S	Total CN	P	1.1926	µg/l	8/5/2025 10:41:32	
Q2751-01DUP	S	Total CN	P	1.2546	µg/l	8/5/2025 10:41:34	
Q2754-02	S	Total CN	P	0.9599	µg/l	8/5/2025 10:41:35	
Q2759-04	S	Total CN	P	0.9029	µg/l	8/5/2025 10:47:08	
CCV3	S	Total CN	P	250.4932	µg/l	8/5/2025 10:47:12	
CCB3	S	Total CN	P	0.9581	µg/l	8/5/2025 10:47:14	

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 Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

8/5/2025 8:42

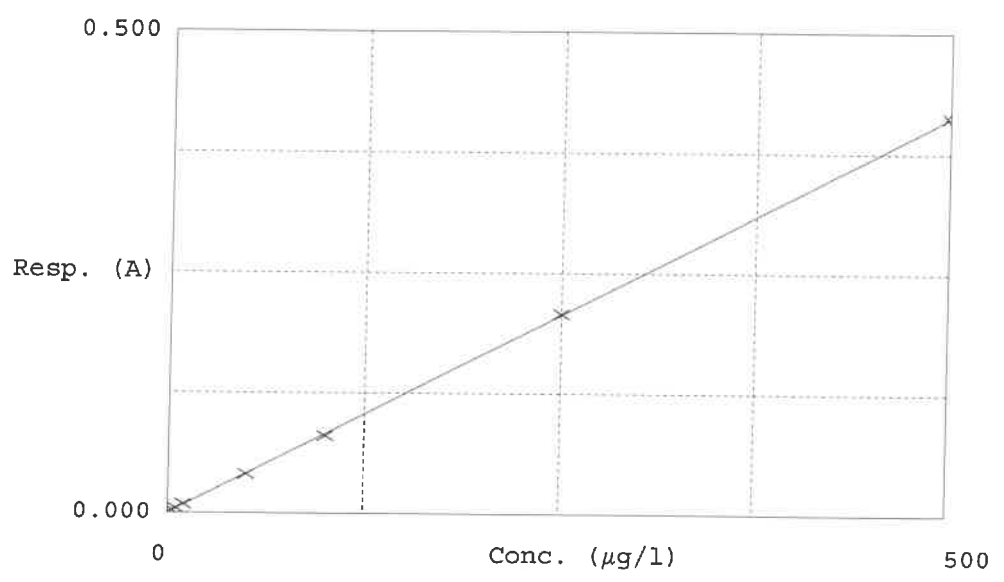
Test Total CN

Accepted 8/5/2025 8:42

Factor 1212
 Bias 0

Coeff. of det. 0.999935

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	0.8320	0.0000	-
2	5.0PPBCN	0.005	5.6741	5.0000	13.5
3	10PPBCN	0.009	10.8499	10.0000	8.5
4	50PPBCN	0.040	48.8713	50.0000	-2.3
5	100PPBCN	0.080	97.2898	100.0000	-2.7
6	250PPBCN	0.208	251.7035	250.0000	0.7
7	500PPBCN	0.413	499.7794	500.0000	0.0

08/05/2025
 RM

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB136706

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	W3213
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	PB169127BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	08/05/2025	11:20
2	Q2752-03		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	08/05/2025	11:23
3	Q2753-02		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	08/05/2025	11:26
4	Q2754-01		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	08/05/2025	11:28
5	Q2758-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	08/05/2025	11:30
6	Q2759-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	08/05/2025	11:33
7	Q2763-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	08/05/2025	11:36
8	Q2763-04DUP		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	08/05/2025	11:39

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

Analytical Summary Report

Analysis Method: 1030
 Parameter: Ignitability
 Run Number: LB136722

Reviewed By: Eman
 Supervisor Review By: Iwona

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	Q2758-02	WASTE	1	Solid	NO	0.00	08/06/2025	10:35
2	Q2758-02DUP	WASTEDUP	1	Solid	NO	0.00	08/06/2025	10:42
3	Q2759-01	SOLID-DRUMS	1	Solid	NO	0.00	08/06/2025	10:49
4	Q2759-02	SOLID-DRUMS	1	Solid	NO	0.00	08/06/2025	10:57
5	Q2763-01	TP-2	1	Solid	NO	0.00	08/06/2025	11:05
6	Q2763-04	TP-2	1	Solid	NO	0.00	08/06/2025	11:12
7	Q2773-01	COMP-1	1	Solid	NO	0.00	08/06/2025	11:20
8	Q2773-02	COMP-2	1	Solid	NO	0.00	08/06/2025	11:27
9	Q2773-03	COMP-3	1	Solid	NO	0.00	08/06/2025	11:35
10	Q2775-01	60273	1	Solid	NO	0.00	08/06/2025	11:42
11	Q2780-01	TP-3	1	Solid	NO	0.00	08/06/2025	11:50
12	Q2780-04	TP-3	1	Solid	NO	0.00	08/06/2025	11:57
13	Q2780-05	TP-1	1	Solid	NO	0.00	08/06/2025	12:05
14	Q2780-08	TP-1	1	Solid	NO	0.00	08/06/2025	12:12

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

WORKLIST(Hardcopy Internal Chain)

1636722

WorkList Name : IGN-080625 WorkList ID : 191128 Department : Wet-Chemistry Date : 08-06-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2758-02	WASTE	Solid	Ignitability	Cool 4 deg C	SCIA01	D21	08/01/2025	1030
Q2759-01	SOLID-DRUMS	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/04/2025	1030
Q2759-02	SOLID-DRUMS	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/04/2025	1030
Q2763-01	TP-2	Solid	Ignitability	Cool 4 deg C	PSEG03	O23	08/04/2025	1030
Q2763-04	TP-2	Solid	Ignitability	Cool 4 deg C	PSEG03	O23	08/04/2025	1030
Q2773-01	COMP-1	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2773-02	COMP-2	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2773-03	COMP-3	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2775-01	60273	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2780-01	TP-3	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2780-04	TP-3	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2780-05	TP-1	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030
Q2780-08	TP-1	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/05/2025	1030

Date/Time 08/06/25 08:35
 Raw Sample Received by: EM (WCS)
 Raw Sample Relinquished by: Audrey

Date/Time 08/06/25 12:30
 Raw Sample Received by: Adrienne
 Raw Sample Relinquished by: EM (WCS)

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21
SDG No : N/A **Start Digest Date:** 08/04/2025 **Time :** 15:15 **Temp :** N/A
Matrix : WATER **End Digest Date:** 08/04/2025 **Time :** 16:45 **Temp :** N/A
Pipette ID : N/A
Balance ID : N/A
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 : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBW	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/04/2025 15:25	RM CW	RM CW
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/Nitrite	Comment	Prep Pos
PB169112BL	PBW112	50	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2751-01DUP	ROLL-OFF-LIQUIDDUP	50	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2751-01	ROLL-OFF-LIQUID	50	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2754-02	OILY-WATER	50	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2759-04	LIQUID-DRUMS	50	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21
SDG No : N/A **Start Digest Date:** 08/04/2025 **Time :** 15:15 **Temp :** N/A
Matrix : SOIL **End Digest Date:** 08/04/2025 **Time :** 16:45 **Temp :** N/A
Pipette ID : N/A
Balance ID : WC SC-7
Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A
Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM
Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

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

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

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/04/2025 15:25	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/Nitrite	Comment	Prep Pos
PB169113BL	PBS113	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2752-03	PIPE-LINE-LIQUIDS	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2753-02	289	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2754-01	OILY-RAGS	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2758-02	WASTE	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2759-02	SOLID-DRUMS	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2763-04	TP-2	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2763-04DUP	TP-2DUP	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9030B-Sulfide-13
SDG No : N/A **Start Digest Date:** 08/05/2025 **Time :** 08:45 **Temp :** N/A
Matrix : SOIL **End Digest Date:** 08/05/2025 **Time :** 10:15 **Temp :** N/A
Pipette ID : WC
Balance ID : WC SC-7
Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A
Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM
Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

Standard 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	W3220
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:

08/05/2025
RM

N/A

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

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/Nitrite	Comment	Prep Pos
PB169127BL	PBS127	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2752-03	PIPE-LINE-LIQUIDS	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2753-02	289	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2754-01	OILY-RAGS	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2758-02	WASTE	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2759-02	SOLID-DRUMS	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2763-04	TP-2	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2763-04DUP	TP-2DUP	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A



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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136700

Review By	jignesh	Review On	8/5/2025 8:54:30 AM
Supervise By	Iwona	Supervise On	8/5/2025 11:40:30 AM
SubDirectory	LB136700	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/05/25 08:45		Jignesh	OK
2	CAL2	CAL2	CAL	08/05/25 08:46		Jignesh	OK
3	CAL3	CAL3	CAL	08/05/25 08:47		Jignesh	OK
4	ICV	ICV	ICV	08/05/25 08:50		Jignesh	OK
5	CCV1	CCV1	CCV	08/05/25 08:52		Jignesh	OK
6	Q2758-02	WASTE	SAM	08/05/25 09:10		Jignesh	OK
7	Q2759-02	SOLID-DRUMS	SAM	08/05/25 09:20		Jignesh	OK
8	Q2763-04	TP-2	SAM	08/05/25 09:30		Jignesh	OK
9	Q2763-04DUP	TP-2DUP	DUP	08/05/25 09:34		Jignesh	OK
10	CCV2	CCV2	CCV	08/05/25 09:35		Jignesh	OK



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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136704

Review By	rubina	Review On	8/5/2025 1:26:56 PM
Supervise By	Iwona	Supervise On	8/5/2025 1:46:54 PM
SubDirectory	LB136704	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114165,WP114166,WP114167,WP114168,WP114169,WP114170,WP114171
ICV Standard	WP114172
CCV Standard	WP114166
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP114173

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/05/25 08:41		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/05/25 08:41		rubina	OK
3	10PPBCN	10PPBCN	CAL3	08/05/25 08:41		rubina	OK
4	50PPBCN	50PPBCN	CAL4	08/05/25 08:41		rubina	OK
5	100PPBCN	100PPBCN	CAL5	08/05/25 08:41		rubina	OK
6	250PPBCN	250PPBCN	CAL6	08/05/25 08:41		rubina	OK
7	500PPBCN	500PPBCN	CAL7	08/05/25 08:41		rubina	OK
8	ICV1	ICV1	ICV	08/05/25 10:26		rubina	OK
9	ICB1	ICB1	ICB	08/05/25 10:26		rubina	OK
10	CCV1	CCV1	CCV	08/05/25 10:26		rubina	OK
11	CCB1	CCB1	CCB	08/05/25 10:26		rubina	OK
12	PB169113BL	PB169113BL	MB	08/05/25 10:26		rubina	OK
13	Q2752-03	PIPE-LINE-LIQUIDS	SAM	08/05/25 10:33		rubina	OK
14	Q2753-02	289	SAM	08/05/25 10:33		rubina	OK
15	Q2754-01	OILY-RAGS	SAM	08/05/25 10:33		rubina	OK
16	Q2758-02	WASTE	SAM	08/05/25 10:33		rubina	OK
17	Q2759-02	SOLID-DRUMS	SAM	08/05/25 10:33		rubina	OK
18	Q2763-04	TP-2	SAM	08/05/25 10:33		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136704

Review By	rubina	Review On	8/5/2025 1:26:56 PM
Supervise By	Iwona	Supervise On	8/5/2025 1:46:54 PM
SubDirectory	LB136704	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114165,WP114166,WP114167,WP114168,WP114169,WP114170,WP114171
ICV Standard	WP114172
CCV Standard	WP114166
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP114173

Run #	Sample ID	Sample Name	Method	Time	Operator	Status
19	Q2763-04DUP	TP-2DUP	DUP	08/05/25 10:34	rubina	OK
20	PB169112BL	PB169112BL	MB	08/05/25 10:41	rubina	OK
21	Q2751-01	ROLL-OFF-LIQUID	SAM	08/05/25 10:41	rubina	OK
22	CCV2	CCV2	CCV	08/05/25 10:41	rubina	OK
23	CCB2	CCB2	CCB	08/05/25 10:41	rubina	OK
24	Q2751-01DUP	ROLL-OFF-LIQUIDDU	DUP	08/05/25 10:41	rubina	OK
25	Q2754-02	OILY-WATER	SAM	08/05/25 10:41	rubina	OK
26	Q2759-04	LIQUID-DRUMS	SAM	08/05/25 10:47	rubina	OK
27	CCV3	CCV3	CCV	08/05/25 10:47	rubina	OK
28	CCB3	CCB3	CCB	08/05/25 10:47	rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB136706

Review By	rubina	Review On	8/5/2025 11:58:19 AM
Supervise By	Iwona	Supervise On	8/5/2025 11:58:22 AM
SubDirectory	LB136706	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3213,W3149

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	PB169127BL	PB169127BL	MB	08/05/25 11:20		rubina	OK
2	Q2752-03	PIPE-LINE-LIQUIDS	SAM	08/05/25 11:23		rubina	OK
3	Q2753-02	289	SAM	08/05/25 11:26		rubina	OK
4	Q2754-01	OILY-RAGS	SAM	08/05/25 11:28		rubina	OK
5	Q2758-02	WASTE	SAM	08/05/25 11:30		rubina	OK
6	Q2759-02	SOLID-DRUMS	SAM	08/05/25 11:33		rubina	OK
7	Q2763-04	TP-2	SAM	08/05/25 11:36		rubina	OK
8	Q2763-04DUP	TP-2DUP	DUP	08/05/25 11:39		rubina	OK



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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB136722

Review By	Eman	Review On	8/6/2025 12:59:52 PM
Supervise By	Iwona	Supervise On	8/6/2025 1:08:11 PM
SubDirectory	LB136722	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	Q2758-02	WASTE	SAM	08/06/25 10:35		Eman	OK
2	Q2758-02DUP	WASTEDUP	DUP	08/06/25 10:42		Eman	OK
3	Q2759-01	SOLID-DRUMS	SAM	08/06/25 10:49		Eman	OK
4	Q2759-02	SOLID-DRUMS	SAM	08/06/25 10:57		Eman	OK
5	Q2763-01	TP-2	SAM	08/06/25 11:05		Eman	OK
6	Q2763-04	TP-2	SAM	08/06/25 11:12		Eman	OK
7	Q2773-01	COMP-1	SAM	08/06/25 11:20		Eman	OK
8	Q2773-02	COMP-2	SAM	08/06/25 11:27		Eman	OK
9	Q2773-03	COMP-3	SAM	08/06/25 11:35		Eman	OK
10	Q2775-01	60273	SAM	08/06/25 11:42		Eman	OK
11	Q2780-01	TP-3	SAM	08/06/25 11:50		Eman	OK
12	Q2780-04	TP-3	SAM	08/06/25 11:57		Eman	OK
13	Q2780-05	TP-1	SAM	08/06/25 12:05		Eman	OK
14	Q2780-08	TP-1	SAM	08/06/25 12:12		Eman	OK

Prep Standard - Chemical Standard Summary

Order ID : Q2758

Test : Corrosivity, Ignitability, Percent Solids, Reactive Cyanide, Reactive Sulfide

Prepbatch ID : PB169113, PB169127,

Sequence ID/Qc Batch ID: LB136700, LB136704, LB136706, LB136722,

Standard ID :

WP112643, WP112900, WP113086, WP113836, WP113838, WP114164, WP114165, WP114166, WP114167, WP114168, WP114169, WP114170, WP114171, WP114172, WP114173,

Chemical ID :

M6151, W2668, W2926, W3019, W3093, W3105, W3112, W3113, W3139, W3149, W3161, W3178, W3191, W3200, W3203, W3213, W3214, W3217, W3220, W3224,

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 04/09/2025

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
607	PYRIDINE-BARBITURIC ACID	WP112900	05/01/2025	08/18/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-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

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
160	0.5M ZINC ACETATE	WP113086	05/15/2025	08/18/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
11	Sodium hydroxide absorbing solution 0.25 N	WP113836	07/08/2025	12/31/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych 07/08/2025

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

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3371	Cyanide LCS Spike Solution, 5PPM	WP113838	07/08/2025	12/24/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 07/08/2025

FROM 1.00000ml of W3224 + 199.00000ml of WP113836 = Final Quantity: 200.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3456	Cyanide Intermediate Working Std, 5PPM	WP114164	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 0.25000ml of W3214 + 49.75000ml of WP113836 = Final Quantity: 50.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4	Calibration standard 500 ppb	WP114165	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025
FROM 45.00000ml of WP113836 + 5.00000ml of WP114164 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3761	Calibration-CCV CN Standard 250 ppb	WP114166	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025
FROM 2.50000ml of WP114164 + 47.50000ml of WP113836 = Final Quantity: 50.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
6	Calibration Standard 100 ppb	WP114167	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 1.00000ml of WP114164 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
7	Calibration Standard 50 ppb	WP114168	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 0.50000ml of WP114164 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
8	Calibration Standard 10 ppb	WP114169	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 1.00000ml of WP114165 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
9	Calibration Standard 5 ppb	WP114170	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 0.50000ml of WP114165 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
167	0 ppb CN calibration std	WP114171	08/05/2025	08/06/2025	Rubina Mughal	None	None	Iwona Zarych 08/06/2025

FROM 50.00000ml of WP113836 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2168	RCN ICV STD, 100 PPB	WP114172	08/05/2025	08/06/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 08/06/2025

FROM 1.00000ml of WP113838 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1582	Chloramine T solution, 0.014M	WP114173	08/05/2025	08/06/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	Glass Pipette-A	Iwona Zarych 08/06/2025
FROM	0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml							

CHEMICAL RECEIPT LOG BOOK

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	08/17/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYSTALS, 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.	J4296-1 / ZINC ACETATE, DIHYD, CRYSTALS, 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 #
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.	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 / lwona	04/22/2024 / lwona	W3105

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EMD-FX0410-5 / FORMALDEHYDE SOLUTION 450ML	MKCW7614	12/31/2026	06/26/2025 / lwona	06/26/2025 / lwona	W3220

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

W3019
Rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA

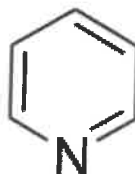
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Name:


Pyridine - anhydrous, 99.8%

Certificate of Analysis

Product Number: 270970
Batch Number: SHBQ2113
Brand: SIAL
CAS Number: 110-86-1
MDL Number: MFCD00011732
Formula: C₅H₅N
Formula Weight: 79.10 g/mol
Quality Release Date: 15 DEC 2022



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



Larry Coers, Director
 Quality Control
 Sheboygan Falls, WI US

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



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



M6151

R → 11/15/25

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

avantor™



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™



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

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

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

James 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 ₂ PO ₄ · H ₂ O)	98.0 – 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 – 4.5	4.3
Insoluble Matter	<= 0.01 %	< 0.01
Chloride (Cl)	<= 5 ppm	< 5
ACS – Sulfate (SO ₄)	<= 0.003 %	< 0.003
Calcium (Ca)	<= 0.005 %	<0.005
Potassium (K)	<= 0.01 %	< 0.01
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Trace Impurities – Iron (Fe)	<= 0.001 %	< 0.001

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

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

James Ethier
Jamie Ethier
Vice President Global Quality

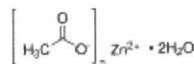
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Certificate of Analysis

Product Name:

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

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



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

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



Larry Coers, Director
 Quality Control
 Milwaukee, WI US

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





W3093
00421
04/03/2024
18

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

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

Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13

Product Number: 7900

Manufacture Date: MAR 29, 2024

Expiration Date: SEP 2025

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

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

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

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

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

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

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



Paul Brandon (03/29/2024)

Production Manager

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

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



Sodium Hydroxide (Pellets)

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

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

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

Storage: Room Temperature

Pellets

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

Internal ID #: 710

Signature	Additional Information
-----------	------------------------

We certify that this batch conforms to the specifications listed.

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

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

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

Product meets analytical specifications of the grades listed.



Sodium Hydroxide (Pellets)

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

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

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

Storage: Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

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

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

Additional Information

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

Product meets analytical specifications of the grades listed.

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

Order our products online thermofisher.com/chemicals

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

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

Certificate of Analysis

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

Lot Number: 4408P62

Product Number: 8000

Manufacture Date: AUG 28, 2024

Expiration Date: AUG 2026

This product is Mercury-free.

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

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

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

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

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

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

A handwritten signature in blue ink that reads "Paul Brandon".

Paul Brandon (08/28/2024)
Production Manager

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Certificate of Analysis

Buffer, Reference Standard, pH 2.00 ± 0.01 at 25°C

Lot Number: 2411E26

Product Number: 1493

Manufacture Date: NOV 11, 2024

Expiration Date: OCT 2026

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

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

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

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

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

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

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1493-1	4 L natural poly	24 months
1493-16	500 mL natural poly	24 months
1493-1CT	4 L Cubitainer®	24 months
1493-2.5	10 L Cubitainer®	24 months
1493-32	1 L natural poly	24 months

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



Jose Pena (11/11/2024)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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



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

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

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



RICCA CHEMICAL COMPANY®

W3191

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

W3191

receive
package

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

Version: 1.3

Lot Number: 2410F80

Product Number: 1601

Certificate of Analysis

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

Lot Number: 2504F20

Product Number: 1615

Manufacture Date: APR 08, 2025

Expiration Date: SEP 2026

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

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

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

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

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

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1615-1	4 L natural poly	18 months
1615-16	500 mL clear PET-G	18 months
1615-5	20 L Cubitainer®	18 months

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



Jose Pena (04/08/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

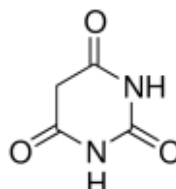
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Certificate of Analysis

Product Name:

Barbituric acid - ReagentPlus® , 99%

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



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



Kang Chen
Quality Manager
Wuxi , China CN

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





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

Additional information

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

Signature

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

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

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

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

Certificate of Analysis

Cyanide Standard, 1000 ppm CN⁻

Lot Number: 1505H73

Product Number: 2543

Manufacture Date: MAY 08, 2025

Expiration Date: NOV 2025

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

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

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

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

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

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

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

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



Ernest Mahan (05/08/2025)
Plant Manager

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Certificate of Analysis

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

Lot Number: 2504D34

Product Number: 1551

Manufacture Date: APR 03, 2025

Expiration Date: MAR 2027

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

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

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

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

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

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

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

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months

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



Jose Pena (04/03/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

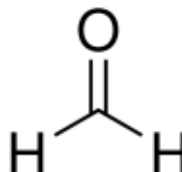
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Certificate of Analysis

Product Name:

Formaldehyde solution - ACS reagent, 37 wt. % in H₂O, contains 10-15% Methanol as stabilizer (to prevent polymerization)

Product Number: 252549
Batch Number: MKCW7614
Brand: SIAL
MDL Number: MFCD00003274
Quality Release Date: 05 DEC 2024
Recommended Retest Date: DEC 2026



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Titration by H ₂ SO ₄	36.5 - 38.0 %	36.6 %
Residue on ignition (Ash)	≤ 0.005 %	0.004 %
Color Test	≤ 10 APHA	5 APHA
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 1 ppm
Heavy Metals	≤ 5 ppm	2 ppm
by ICP-OES		
Sulfate (SO ₄)	< = 0.002%	< = 0.002%
Titrateable Acid (meq/g)	≤ 0.006	< 0.006
Note	Confirmed	Conforms
Stabilized with 10% to 15% Methanol		
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
2 Years		

Larry Coers, Director
 Quality Control
 Milwaukee, WI US

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



Certificate of Analysis

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

 Product Code: **LC13545**

Manufacture Date: June 25, 2025

 Lot Number: **45060288**

Expiration Date: December 24, 2025

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

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

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

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

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

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

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



 Michael Monteleone
 Chemistry Supervisor - Quality Control
 2025070315:30:45ahoffman-0-0

ISO9001:2015 Registration #0306-01



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136687

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
Q2752-03	PIPE-LINE-LIQUIDS	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q2757-01	WASTE	2	1.14	9.99	11.13	9.28	81.5	
Q2757-02	VOC	3	1.13	10.85	11.98	9.96	81.4	
Q2757-03	1	4	1.19	10.50	11.69	9.83	82.3	
Q2757-04	2	5	1.18	10.81	11.99	10.1	82.5	
Q2757-05	3	6	1.18	10.81	11.99	9.98	81.4	
Q2757-06	4	7	1.13	10.59	11.72	9.66	80.5	
Q2757-07	5	8	1.13	10.86	11.99	9.95	81.2	
Q2758-01	WASTE	9	1.12	10.57	11.69	10.94	92.9	
Q2759-01	SOLID-DRUMS	10	1.15	10.84	11.99	5.75	42.4	
Q2760-01	NB-07-08042025	11	1.13	10.76	11.89	11.36	95.1	
Q2760-02	NB-07-08042025-E2	12	1.13	10.37	11.5	10.44	89.8	
Q2763-01	TP-2	13	1.16	10.02	11.18	9.36	81.8	
Q2763-02	TP-2 EPH	14	1.18	10.12	11.3	9.75	84.7	
Q2763-03	TP-2 VOC	15	1.18	10.48	11.66	9.45	78.9	

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

WORKLIST(Hardcopy Internal Chain)

136687

WorkList Name : %1-080425

WorkList ID : 191066

Department : Wet-Chemistry

Date : 08-04-2025 07:38:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2752-03	PIPE-LINE-LIQUIDS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/01/2025	Chemtech -SO
Q2757-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2758-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2759-01	SOLID-DRUMS	Solid	Percent Solids	Cool 4 deg C	SCIA01	D21	08/01/2025	Chemtech -SO
Q2760-01	NB-07-08042025	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/04/2025	Chemtech -SO
Q2760-02	NB-07-08042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-01	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-02	TP-2 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO
Q2763-03	TP-2 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO

Date/Time 08/04/25 15:10

Raw Sample Received by: RF (w/c)

Raw Sample Relinquished by: RS (ETA-1066)

Date/Time 08/04/25

Raw Sample Received by: RS (ETA-1066)

Raw Sample Relinquished by: RF (w/c)

17:20



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
 (908) 789-8900 Fax (908) 789-8922
 www.chemtech.net

Q2758
 92 Clifford Street
 Newark

Chemtech Project Number
 COC Number

NEWARK

CLIENT INFORMATION

Report to be sent to:

PROJECT INFORMATION

PROJECT NAME:

BILLING INFORMATION

BILL TO:

COMPANY:

PROJECT #:

LOCATION:

ADDRESS:

CITY:

STATE:

ATTENTION:

PHONE:

FAX:

ZIP:

ADDRESS:

PROJECT MANAGER:

E-MAIL:

CITY:

STATE:

ATTENTION:

PHONE:

FAX:

ZIP:

ATTENTION:

E-MAIL:

PHONE:

ATTENTION:

PHONE:

FAX:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

FAX (PUSH) _____ DAYS*
 HARD COPY (DATA PACKAGE) _____ DAYS*
 EDD: _____ DAYS*
 TO BE APPROVED BY CHEMTECH
 STANDARD HARD COPY TURNAROUND TIME IS 10 BUSINESS DAYS

Level 1 (Results Only)
 Level 2 (Results + OCI)
 Level 3 (Results + OC + Raw Data)
 EDD FORMAT

Level 4 (OC + Full Raw Data)
 NJ Reduced
 NYS ASP A
 NYS ASP B
 Other _____

PRESERVATIVES



COMMENTS

← Specify Preservatives
 A-HOI DNICH
 B-HNOS E-ICE
 C-HS04 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	ANALYSIS									COMMENTS								
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9									
1.	WASTE						1	X																	
2.	VOC						1		X																
3.	1						1			X															
4.	2						1				X														
5.	3						1					X													
6.	4						1						X												
7.	5						1							X											
8.							1								X										
9.							1									X									
10.							1										X								

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

RELINQUISHED BY SAMPLER DATE/TIME 8-1-25 RECEIVED BY DATE/TIME 8-1-25 COMMENTS: Conditions of bottles or colors at receipt: COMPLAINT NON COMPLAINT COOLER TEMP 3.02

RELINQUISHED BY DATE/TIME 8-1-25 RECEIVED FOR LAB BY DATE/TIME 8-1-25 CLIENT: Hand Delivered Other: CHEMTECH Picked Up Shipment Complete YES NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

10/20/01


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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2758	SCIA01	Order Date : 8/1/2025 4:14:00 PM	Project Mgr :
Client Name : Sciacca General Contractor:		Project Name : 89 E. Centre St, Nutley	Report Type : Results Only
Client Contact : Rosanne Scirica		Receive DateTime : 8/1/2025 12:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Sciacca General Contractor:		Purchase Order :	Hard Copy Date :
Invoice Contact : Rosanne Scirica			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2758-01	WASTE	Solid	08/01/2025	00:00	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By: 
Date / Time: 8/4/25 1040

Received By: 
Date / Time: 08/04/25 10:40 *Y #6*
Storage Area: VOA Refridgerator Room *Pt 2*