

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:	Q2498	OrderDate:	7/2/2025 1:59:00 PM
Client:	ATG - AKRON LAB	Project:	PO 25061955
Contact:	Jennifer Woolf	Location:	A61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2498-01	NE Bd bed foam	SOIL			06/20/25 04:00			07/02/25
			Cyanide	9012B		07/07/25	07/07/25 12:55	
Q2498-02	NE Bd pillow foa	SOIL			06/20/25 04:10			07/02/25
			Cyanide	9012B		07/07/25	07/07/25 12:55	
Q2498-03	Master bed NE m	SOIL			06/20/25 04:20			07/02/25
			Cyanide	9012B		07/07/25	07/07/25 12:55	



SAMPLE DATA

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	06/20/25 04:00
Project:	PO 25061955	Date Received:	07/02/25
Client Sample ID:	NE Bd bed foam	SDG No.:	Q2498
Lab Sample ID:	Q2498-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.071	HJ	1	0.041	0.25	mg/Kg	07/07/25 08:00	07/07/25 12:55	9012B

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	06/20/25 04:10
Project:	PO 25061955	Date Received:	07/02/25
Client Sample ID:	NE Bd pillow foa	SDG No.:	Q2498
Lab Sample ID:	Q2498-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.066	HJ	1	0.041	0.25	mg/Kg	07/07/25 08:00	07/07/25 12:55	9012B

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	06/20/25 04:20
Project:	PO 25061955	Date Received:	07/02/25
Client Sample ID:	Master bed NE m	SDG No.:	Q2498
Lab Sample ID:	Q2498-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.067	HJ	1	0.041	0.24	mg/Kg	07/07/25 08:00	07/07/25 12:55	9012B

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ATG - AKRON LAB

SDG No.: Q2498

Project: PO 25061955

RunNo.: LB136384

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.098	0.099	99	90-110	07/07/2025
Sample ID: CCV1 Cyanide	mg/L	0.25	0.25	100	90-110	07/07/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	07/07/2025
Sample ID: CCV3 Cyanide	mg/L	0.24	0.25	96	90-110	07/07/2025
Sample ID: CCV4 Cyanide	mg/L	0.24	0.25	96	90-110	07/07/2025
Sample ID: CCV5 Cyanide	mg/L	0.25	0.25	100	90-110	07/07/2025
Sample ID: CCV6 Cyanide	mg/L	0.25	0.25	100	90-110	07/07/2025
Sample ID: CCV7 Cyanide	mg/L	0.25	0.25	100	90-110	07/07/2025

Initial and Continuing Calibration Blank Summary

Client: ATG - AKRON LAB

SDG No.: Q2498

Project: PO 25061955

RunNo.: LB136384

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB4 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB5 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB6 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025
Sample ID: CCB7 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/07/2025

Preparation Blank Summary

Client: ATG - AKRON LAB

SDG No.: Q2498

Project: PO 25061955

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB168730BL mg/Kg	< 0.1250	0.1250	U	0.042	0.25	07/07/2025

Matrix Spike Summary

Client:	ATG - AKRON LAB	SDG No.:	Q2498
Project:	PO 25061955	Sample ID:	Q2498-03
Client ID:	Master bed NE mMS	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.90		0.067	J	2	1	92		07/07/2025

Matrix Spike Summary

Client:	ATG - AKRON LAB	SDG No.:	Q2498
Project:	PO 25061955	Sample ID:	Q2498-03
Client ID:	Master bed NE mMSD	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.90		0.067	J	1.9	1	96		07/07/2025

Duplicate Sample Summary

Client: ATG - AKRON LAB	SDG No.: Q2498
Project: PO 25061955	Sample ID: Q2498-03
Client ID: Master bed NE mDUP	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
Cyanide	mg/Kg	+/-20	0.067	J	0.061	J	1	9		07/07/2025

Duplicate Sample Summary

Client:	ATG - AKRON LAB	SDG No.:	Q2498
Project:	PO 25061955	Sample ID:	Q2498-03
Client ID:	Master bed NE mMSD	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
Cyanide	mg/Kg	+/-20	1.90		1.90		1	0		07/07/2025

Laboratory Control Sample Summary

Client: ATG - AKRON LAB

SDG No.: Q2498

Project: PO 25061955

Run No.: LB136384

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168730BS							
Cyanide	mg/Kg	5	4.90		98	1	85-115	07/07/2025



RAW DATA

LB136

Test results Aquakem 7.2AQ1 Page:

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

7/7/2025 13:53

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	98.052	0.0	0.076	
ICB1	0.557	0.0	0.001	
CCV1	246.825	0.0	0.190	
CCB1	0.280	0.0	0.001	
PB168730BL	0.008	0.0	0.001	
PB168730BS	98.472	0.0	0.076	
LOWPB168730	9.881	0.0	0.008	
HIGHPB168730	491.684	0.0	0.378	
Q2494-01	3.841	0.0	0.004	
Q2494-02	0.806	0.0	0.001	
Q2494-03	0.190	0.0	0.001	
Q2494-04	0.471	0.0	0.001	
Q2494-05	21.780	0.0	0.018	
Q2494-06	2.493	0.0	0.003	
CCV2	240.843	0.0	0.186	
CCB2	0.197	0.0	0.001	
Q2494-07	-0.096	0.0	0.001	
Q2494-08	0.207	0.0	0.001	
Q2494-09	0.955	0.0	0.002	
Q2494-10	1.242	0.0	0.002	
Q2494-11	0.671	0.0	0.001	
Q2494-12	1.055	0.0	0.002	
Q2494-13	-0.085	0.0	0.001	
Q2497-21	0.053	0.0	0.001	
Q2497-22	0.502	0.0	0.001	
Q2497-23	6.820	0.0	0.006	
CCV3	241.540	0.0	0.186	
CCB3	0.063	0.0	0.001	
Q2498-01	1.446	0.0	0.002	
Q2498-02	1.350	0.0	0.002	
Q2498-03	1.386	0.0	0.002	
Q2498-03DUP	1.267	0.0	0.002	
Q2498-03MS	38.340	0.0	0.030	
Q2498-03MSD	39.173	0.0	0.031	
PB168729BS	100.888	0.0	0.078	
Q2497-01	5.938	0.0	0.005	
Q2497-02	3.951	0.0	0.004	
Q2497-03	0.400	0.0	0.001	
CCV4	241.594	0.0	0.186	
CCB4	0.341	0.0	0.001	
Q2497-04	0.389	0.0	0.001	
Q2497-05	0.171	0.0	0.001	
Q2497-06	-0.106	0.0	0.001	
Q2497-07	0.120	0.0	0.001	
Q2497-08	0.608	0.0	0.001	
Q2497-09	0.547	0.0	0.001	
Q2497-10	-0.084	0.0	0.001	
Q2497-11	0.061	0.0	0.001	
Q2497-12	0.240	0.0	0.001	
Q2497-13	1.033	0.0	0.002	
CCV5	245.430	0.0	0.189	
CCB5	0.354	0.0	0.001	
Q2497-14	0.231	0.0	0.001	
Q2497-15	1.073	0.0	0.002	
Q2497-16	2.867	0.0	0.003	

98% (90-110)

98% (90-110)

07/07/2025
RM

Test results

Aquakem 7.2AQ1

Page: 2

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

7/7/2025 13:53

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
Q2497-17	-0.437	0.0	0.000	
Q2497-18	1.418	0.0	0.002	
Q2497-19	2.408	0.0	0.003	
Q2497-20	0.411	0.0	0.001	
Q2497-20DUP	0.681	0.0	0.001	
Q2497-20MS	39.016	0.0	0.031	
Q2497-20MSD	43.744	0.0	0.034	
CCV6	249.172	0.0	0.192	
CCB6	0.540	0.0	0.001	
PB168729BL	0.128	0.0	0.001	
CCV7	249.390	0.0	0.192	
CCB7	-0.041	0.0	0.001	

N	67
Mean	40.966
SD	94.2369
CV%	230.04

Aquakem v. 7.2AQ1

Results from time period:

Mon Jul 07 10:39:33 2025

Mon Jul 07 13:45:41 2025

Sample Id	Sam/Ctr/cf	Test short r	Test type	Result	Result unit	Result date and time Stat
0.0PPBCN	A	Total CN	P	-0.2651	µg/l	7/7/2025 10:39:33
5.0PPBCN	A	Total CN	P	4.4801	µg/l	7/7/2025 10:39:34
10PPBCN	A	Total CN	P	9.527	µg/l	7/7/2025 10:39:35
50PPBCN	A	Total CN	P	49.6599	µg/l	7/7/2025 10:39:36
100PPBCN	A	Total CN	P	100.7266	µg/l	7/7/2025 10:39:37
250PPBCN	A	Total CN	P	251.9362	µg/l	7/7/2025 10:39:38
500PPBCN	A	Total CN	P	498.9352	µg/l	7/7/2025 10:39:39
ICV1	S	Total CN	P	98.0524	µg/l	7/7/2025 12:32:19
ICB1	S	Total CN	P	0.5569	µg/l	7/7/2025 12:32:21
CCV1	S	Total CN	P	246.8252	µg/l	7/7/2025 12:32:23
CCB1	S	Total CN	P	0.2795	µg/l	7/7/2025 12:32:25
PB168730BL	S	Total CN	P	0.008	µg/l	7/7/2025 12:32:28
PB168730BS	S	Total CN	P	98.4719	µg/l	7/7/2025 12:39:54
LOWPB168730	S	Total CN	P	9.8813	µg/l	7/7/2025 12:39:55
HIGHPB168730	S	Total CN	P	491.6835	µg/l	7/7/2025 12:39:58
Q2494-01	S	Total CN	P	3.8409	µg/l	7/7/2025 12:39:59
Q2494-02	S	Total CN	P	0.806	µg/l	7/7/2025 12:40:00
Q2494-03	S	Total CN	P	0.1904	µg/l	7/7/2025 12:40:01
Q2494-04	S	Total CN	P	0.4715	µg/l	7/7/2025 12:40:02
Q2494-05	S	Total CN	P	21.7803	µg/l	7/7/2025 12:40:03
Q2494-06	S	Total CN	P	2.4926	µg/l	7/7/2025 12:40:04
CCV2	S	Total CN	P	240.8428	µg/l	7/7/2025 12:47:29
CCB2	S	Total CN	P	0.1968	µg/l	7/7/2025 12:47:30
Q2494-07	S	Total CN	P	-0.096	µg/l	7/7/2025 12:47:31
Q2494-08	S	Total CN	P	0.2075	µg/l	7/7/2025 12:47:32
Q2494-09	S	Total CN	P	0.9546	µg/l	7/7/2025 12:47:33
Q2494-10	S	Total CN	P	1.2418	µg/l	7/7/2025 12:47:34
Q2494-11	S	Total CN	P	0.6713	µg/l	7/7/2025 12:47:35
Q2494-12	S	Total CN	P	1.0552	µg/l	7/7/2025 12:47:36
Q2494-13	S	Total CN	P	-0.085	µg/l	7/7/2025 12:47:37
Q2497-21	S	Total CN	P	0.0531	µg/l	7/7/2025 12:47:38
Q2497-22	S	Total CN	P	0.5017	µg/l	7/7/2025 12:47:39
Q2497-23	S	Total CN	P	6.8201	µg/l	7/7/2025 12:55:04
CCV3	S	Total CN	P	241.5401	µg/l	7/7/2025 12:55:05
CCB3	S	Total CN	P	0.063	µg/l	7/7/2025 12:55:06
Q2498-01	S	Total CN	P	1.4464	µg/l	7/7/2025 12:55:07
Q2498-02	S	Total CN	P	1.3498	µg/l	7/7/2025 12:55:08
Q2498-03	S	Total CN	P	1.3859	µg/l	7/7/2025 12:55:09
Q2498-03DUP	S	Total CN	P	1.2667	µg/l	7/7/2025 12:55:10

Q2498-03MS	S	Total CN	P	38.3397 µg/l	7/7/2025 12:55:11
Q2498-03MSD	S	Total CN	P	39.173 µg/l	7/7/2025 12:55:12
PB168729BS	S	Total CN	P	100.8876 µg/l	7/7/2025 12:55:13
Q2497-01	S	Total CN	P	5.938 µg/l	7/7/2025 12:55:14
Q2497-02	S	Total CN	P	3.9514 µg/l	7/7/2025 13:02:39
Q2497-03	S	Total CN	P	0.3997 µg/l	7/7/2025 13:02:40
CCV4	S	Total CN	P	241.5939 µg/l	7/7/2025 13:02:41
CCB4	S	Total CN	P	0.3413 µg/l	7/7/2025 13:02:42
Q2497-04	S	Total CN	P	0.3889 µg/l	7/7/2025 13:02:43
Q2497-05	S	Total CN	P	0.1707 µg/l	7/7/2025 13:02:44
Q2497-06	S	Total CN	P	-0.1059 µg/l	7/7/2025 13:02:45
Q2497-07	S	Total CN	P	0.1202 µg/l	7/7/2025 13:02:46
Q2497-08	S	Total CN	P	0.6078 µg/l	7/7/2025 13:02:47
Q2497-09	S	Total CN	P	0.5467 µg/l	7/7/2025 13:02:48
Q2497-10	S	Total CN	P	-0.0841 µg/l	7/7/2025 13:02:49
Q2497-11	S	Total CN	P	0.0615 µg/l	7/7/2025 13:10:11
Q2497-12	S	Total CN	P	0.2398 µg/l	7/7/2025 13:10:12
Q2497-13	S	Total CN	P	1.0334 µg/l	7/7/2025 13:10:13
CCV5	S	Total CN	P	245.4299 µg/l	7/7/2025 13:10:14
CCB5	S	Total CN	P	0.3539 µg/l	7/7/2025 13:10:15
Q2497-14	S	Total CN	P	0.231 µg/l	7/7/2025 13:10:16
Q2497-15	S	Total CN	P	1.0732 µg/l	7/7/2025 13:10:17
Q2497-16	S	Total CN	P	2.8669 µg/l	7/7/2025 13:10:18
Q2497-17	S	Total CN	P	-0.4369 µg/l	7/7/2025 13:10:19
Q2497-18	S	Total CN	P	1.4179 µg/l	7/7/2025 13:10:20
Q2497-19	S	Total CN	P	2.4081 µg/l	7/7/2025 13:10:21
Q2497-20	S	Total CN	P	0.4106 µg/l	7/7/2025 13:17:46
Q2497-20DUP	S	Total CN	P	0.681 µg/l	7/7/2025 13:17:47
Q2497-20MS	S	Total CN	P	39.0156 µg/l	7/7/2025 13:17:48
Q2497-20MSD	S	Total CN	P	43.744 µg/l	7/7/2025 13:17:49
CCV6	S	Total CN	P	249.172 µg/l	7/7/2025 13:17:51
CCB6	S	Total CN	P	0.54 µg/l	7/7/2025 13:17:52
PB168729BL	S	Total CN	P	0.1285 µg/l	7/7/2025 13:17:53
CCV7	S	Total CN	P	249.3905 µg/l	7/7/2025 13:17:56
CCB7	S	Total CN	P	-0.0413 µg/l	7/7/2025 13:20:34

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

7/7/2025 11:40

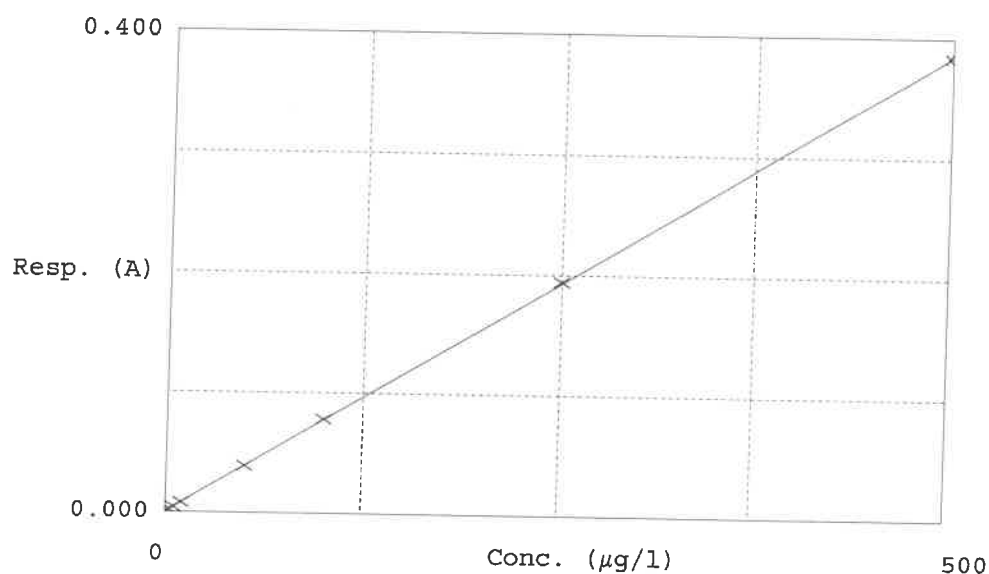
Test Total CN

Accepted 7/7/2025 10:50

Factor 1302
Bias 0.001

Coeff. of det. 0.999970

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	-0.2651	0.0000	-
2	5.0PPBCN	0.004	4.4801	5.0000	-10.4
3	10PPBCN	0.008	9.5270	10.0000	-4.7
4	50PPBCN	0.039	49.6599	50.0000	-0.7
5	100PPBCN	0.078	100.7266	100.0000	0.7
6	250PPBCN	0.194	251.9362	250.0000	0.8
7	500PPBCN	0.384	498.9352	500.0000	-0.2

07/07/2025
RM

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

SDG No : N/A

Start Digest Date: 07/07/2025 Time : 08:00 Temp : 124 °C

Matrix : SOIL

End Digest Date: 07/07/2025 Time : 09:30 Temp : 126 °C

Pipette ID : WC

i1 batch 07/07/2025 10-05 124 ±
07/07/2025 11-40 126 ±

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature:

Weigh By : JP

pH Meter ID : N/A

Supervisor Signature:

Standard Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP112995
MS/MSD SPIKE SOL.	0.40ML	WP113319
PBS003	50.0ML	W3112
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
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
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	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113319
LOWSTD	LOWSTD	0.1ML	WP113319

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/07/2025 11:50	JP (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
PB168730BL	PBS730	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB168730BS	LCS730	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-01	PLAYHOUSE/STORAG	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-02	PLAYHOUSE/STORAG	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-03	GARAGE SEAT FOA	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-04	BLACK FOAM IN SOU	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-05	KIDS ROOM STYOF	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-06	KIDS ROOM LOWER	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-07	KIDS ROOM STYOF	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-08	DOG BEG FOAM	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-09	COTTON LAYER - OTT	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-10	FOAM OTTOMAN	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-11	FOYER NORTH WALL	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-12	NE STUCCO EXTERIO	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2494-13	MASTER MATTRESS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2497-21	OFFICE EAST WALL PL	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2497-22	BEDROOM NORTH W	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2497-23	KITCHEN CEILING PL	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-01	NE BD BED FOAM	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-02	NE BD PILLOW FOA	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-03	MASTER BED NE M	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-03DUP	MASTER BED NE MDUP	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-03MS	MASTER BED NE MMS	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2498-03MSD	MASTER BED NE MMSD	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : cn-q2494

WorkList ID : 190529

Department : Distillation

Date : 07-03-2025 08:22:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2494-01	Playhouse/Storage	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-02	Playhouse/Storage	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-03	Garage Seat Foa	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-04	Black foam in Sou	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-05	Kids Room styof	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-06	Kids Room Lower	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-07	Kids Room styof	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-08	Dog Beg Foam	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-09	Cotton Layer - Ott	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-10	Foam Ottoman	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-11	Foyer North Wall	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-12	NE Stucco Exterio	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2494-13	Master Mattress	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2497-21	office east wall pl	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/25/2025	9012B
Q2497-22	Bedroom north w	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/13/2025	9012B
Q2497-23	Kitchen ceiling pl	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/13/2025	9012B
Q2498-01	NE Bd bed foam	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/13/2025	9012B
Q2498-02	NE Bd pillow foa	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/20/2025	9012B
Q2498-03	Master bed NE m	Solid	Cyanide	Cool 4 deg C	SUMM04	A61	06/20/2025	9012B

Date/Time 07/01/2025 07:25
 Raw Sample Received by: JP Jan
 Raw Sample Relinquished by: JP Jan

Date/Time 07/01/2025 10:30
 Raw Sample Received by: JP Jan
 Raw Sample Relinquished by: JP Jan

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136384

Review By	rubina	Review On	7/8/2025 1:11:23 PM
Supervise By	Iwona	Supervise On	7/8/2025 1:14:31 PM
SubDirectory	LB136384	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP113823,WP113824,WP113825,WP113826,WP113827,WP113828,WP113829		
ICV Standard	W3012		
CCV Standard	WP113824		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112995		
Chk Standard	WP112643,WP112900,WP113831		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/07/25 10:39		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/07/25 10:39		rubina	OK
3	10PPBCN	10PPBCN	CAL3	07/07/25 10:39		rubina	OK
4	50PPBCN	50PPBCN	CAL4	07/07/25 10:39		rubina	OK
5	100PPBCN	100PPBCN	CAL5	07/07/25 10:39		rubina	OK
6	250PPBCN	250PPBCN	CAL6	07/07/25 10:39		rubina	OK
7	500PPBCN	500PPBCN	CAL7	07/07/25 10:39		rubina	OK
8	ICV1	ICV1	ICV	07/07/25 12:32		rubina	OK
9	ICB1	ICB1	ICB	07/07/25 12:32		rubina	OK
10	CCV1	CCV1	CCV	07/07/25 12:32		rubina	OK
11	CCB1	CCB1	CCB	07/07/25 12:32		rubina	OK
12	PB168730BL	PB168730BL	MB	07/07/25 12:32		rubina	OK
13	PB168730BS	PB168730BS	LCS	07/07/25 12:39		rubina	OK
14	LOWPB168730	LOWPB168730	SAM	07/07/25 12:39		rubina	OK
15	HIGHPB168730	HIGHPB168730	SAM	07/07/25 12:39		rubina	OK
16	Q2494-01	Playhouse/Storag	SAM	07/07/25 12:39		rubina	OK
17	Q2494-02	Playhouse/Storag	SAM	07/07/25 12:40		rubina	OK
18	Q2494-03	Garage Seat Foa	SAM	07/07/25 12:40		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136384

Review By	rubina	Review On	7/8/2025 1:11:23 PM
Supervise By	Iwona	Supervise On	7/8/2025 1:14:31 PM
SubDirectory	LB136384	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP113823,WP113824,WP113825,WP113826,WP113827,WP113828,WP113829		
ICV Standard	W3012		
CCV Standard	WP113824		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112995		
Chk Standard	WP112643,WP112900,WP113831		

19	Q2494-04	Black foam in Sou	SAM	07/07/25 12:40		rubina	OK
20	Q2494-05	Kids Room styof	SAM	07/07/25 12:40		rubina	OK
21	Q2494-06	Kids Room Lower	SAM	07/07/25 12:40		rubina	OK
22	CCV2	CCV2	CCV	07/07/25 12:47		rubina	OK
23	CCB2	CCB2	CCB	07/07/25 12:47		rubina	OK
24	Q2494-07	Kids Room styof	SAM	07/07/25 12:47		rubina	OK
25	Q2494-08	Dog Beg Foam	SAM	07/07/25 12:47		rubina	OK
26	Q2494-09	Cotton Layer - Ott	SAM	07/07/25 12:47		rubina	OK
27	Q2494-10	Foam Ottoman	SAM	07/07/25 12:47		rubina	OK
28	Q2494-11	Foyer North Wall	SAM	07/07/25 12:47		rubina	OK
29	Q2494-12	NE Stucco Exterio	SAM	07/07/25 12:47		rubina	OK
30	Q2494-13	Master Mattress	SAM	07/07/25 12:47		rubina	OK
31	Q2497-21	office east wall pl	SAM	07/07/25 12:47		rubina	OK
32	Q2497-22	Bedroom north w	SAM	07/07/25 12:47		rubina	OK
33	Q2497-23	Kitchen ceiling pl	SAM	07/07/25 12:55		rubina	OK
34	CCV3	CCV3	CCV	07/07/25 12:55		rubina	OK
35	CCB3	CCB3	CCB	07/07/25 12:55		rubina	OK
36	Q2498-01	NE Bd bed foam	SAM	07/07/25 12:55		rubina	OK
37	Q2498-02	NE Bd pillow foa	SAM	07/07/25 12:55		rubina	OK
38	Q2498-03	Master bed NE m	SAM	07/07/25 12:55		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136384

Review By	rubina	Review On	7/8/2025 1:11:23 PM
Supervise By	Iwona	Supervise On	7/8/2025 1:14:31 PM
SubDirectory	LB136384	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP113823,WP113824,WP113825,WP113826,WP113827,WP113828,WP113829		
ICV Standard	W3012		
CCV Standard	WP113824		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112995		
Chk Standard	WP112643,WP112900,WP113831		

39	Q2498-03DUP	Master bed NE mDUP	DUP	07/07/25 12:55		rubina	OK
40	Q2498-03MS	Master bed NE mMS	MS	07/07/25 12:55		rubina	OK
41	Q2498-03MSD	Master bed NE mMSD	MSD	07/07/25 12:55		rubina	OK
42	PB168729BS	PB168729BS	LCS	07/07/25 12:55		rubina	OK
43	Q2497-01	SW bedroom (San	SAM	07/07/25 12:55		rubina	OK
44	Q2497-02	Salman s room SE	SAM	07/07/25 13:02		rubina	OK
45	Q2497-03	Sanah s room bed	SAM	07/07/25 13:02		rubina	OK
46	CCV4	CCV4	CCV	07/07/25 13:02		rubina	OK
47	CCB4	CCB4	CCB	07/07/25 13:02		rubina	OK
48	Q2497-04	Salman s room m	SAM	07/07/25 13:02		rubina	OK
49	Q2497-05	Master bed mattr	SAM	07/07/25 13:02		rubina	OK
50	Q2497-06	Kaihaan s room m	SAM	07/07/25 13:02		rubina	OK
51	Q2497-07	Garage foam yog	SAM	07/07/25 13:02		rubina	OK
52	Q2497-08	Living room west	SAM	07/07/25 13:02		rubina	OK
53	Q2497-09	Entrance rug	SAM	07/07/25 13:02		rubina	OK
54	Q2497-10	south exterior re	SAM	07/07/25 13:02		rubina	OK
55	Q2497-11	Garage gym floor	SAM	07/07/25 13:10		rubina	OK
56	Q2497-12	Rug by the back d	SAM	07/07/25 13:10		rubina	OK
57	Q2497-13	Guest bed mattre	SAM	07/07/25 13:10		rubina	OK
58	CCV5	CCV5	CCV	07/07/25 13:10		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136384

Review By	rubina	Review On	7/8/2025 1:11:23 PM
Supervise By	Iwona	Supervise On	7/8/2025 1:14:31 PM
SubDirectory	LB136384	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP113823,WP113824,WP113825,WP113826,WP113827,WP113828,WP113829		
ICV Standard	W3012		
CCV Standard	WP113824		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112995		
Chk Standard	WP112643,WP112900,WP113831		

59	CCB5	CCB5	CCB	07/07/25 13:10		rubina	OK
60	Q2497-14	Garage backyard	SAM	07/07/25 13:10		rubina	OK
61	Q2497-15	LR SW conner chai	SAM	07/07/25 13:10		rubina	OK
62	Q2497-16	Living room NE co	SAM	07/07/25 13:10		rubina	OK
63	Q2497-17	Dining room SW c	SAM	07/07/25 13:10		rubina	OK
64	Q2497-18	LR SW rug corner	SAM	07/07/25 13:10		rubina	OK
65	Q2497-19	LR west wall plug	SAM	07/07/25 13:10		rubina	OK
66	Q2497-20	LR NE corner plug	SAM	07/07/25 13:17		rubina	OK
67	Q2497-20DUP	LR NE corner plugDU	DUP	07/07/25 13:17		rubina	OK
68	Q2497-20MS	LR NE corner plugMS	MS	07/07/25 13:17		rubina	OK
69	Q2497-20MSD	LR NE corner plugMS	MSD	07/07/25 13:17		rubina	OK
70	CCV6	CCV6	CCV	07/07/25 13:17		rubina	OK
71	CCB6	CCB6	CCB	07/07/25 13:17		rubina	OK
72	PB168729BL	PB168729BL	MB	07/07/25 13:17		rubina	OK
73	CCV7	CCV7	CCV	07/07/25 13:17		rubina	OK
74	CCB7	CCB7	CCB	07/07/25 13:20		rubina	OK

Prep Standard - Chemical Standard Summary

Order ID : Q2498

Test : Cyanide,Percent Solids

Prepbatch ID : PB168730,

Sequence ID/Qc Batch ID: LB136384,

Standard ID :

WP111294,WP112643,WP112826,WP112827,WP112900,WP112995,WP113319,WP113822,WP113823,WP113824,WP113825,WP113826,WP113827,WP113828,WP113829,WP113831,

Chemical ID :

M6041,M6151,W2668,W3012,W3019,W3112,W3113,W3139,W3152,W3173,W3203,W3214,



<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	WP111294	01/07/2025	07/07/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 01/07/2025
<u>FROM</u> 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L								

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

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>
1714	Sulfuric Acid, 50% (v/v)	WP112826	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych
								04/25/2025

FROM 1000.00000ml of M6041 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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>
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP112827	04/25/2025	10/25/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC SC-7)	None	Iwona Zarych
								04/25/2025

FROM 500.00000ml of W3112 + 510.00000gram of W3152 = 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
<u>FROM</u>	145.00000ml of W3112 + 15.00000gram of W3203 + 15.00000ml of M6151 + 75.00000ml of W3019 = Final Quantity: 250.000 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>
3371	Cyanide LCS Spike Solution, 5PPM	WP112995	05/07/2025	07/07/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/07/2025
<u>FROM</u>	1.00000ml of W3173 + 199.00000ml of WP111294 = 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>
3850	Cyanide MS-MSD spiking solution, 5PPM	WP113319	06/02/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych 06/02/2025
FROM 1.00000ml of W3214 + 199.00000ml of WP111294 = 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	WP113822	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC) FROM 0.25000ml of W3214 + 49.75000ml of WP111294 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4	Calibration standard 500 ppb	WP113823	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/07/2025
FROM 45.00000ml of WP111294 + 5.00000ml of WP113822 = 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	WP113824	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/07/2025
<u>FROM</u> 2.50000ml of WP113822 + 47.50000ml of WP111294 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
6	Calibration Standard 100 ppb	WP113825	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC) FROM 1.00000ml of WP113822 + 48.00000ml of WP111294 = 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	WP113826	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3	Iwona Zarych
(WC)								
<u>FROM</u>	0.50000ml of WP113822 + 49.50000ml of WP111294 = 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	WP113827	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 07/07/2025
FROM 1.00000ml of WP113823 + 49.00000ml of WP111294 = 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	WP113828	07/07/2025	07/07/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 07/07/2025
FROM 0.50000ml of WP113823 + 49.50000ml of WP111294 = 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	WP113829	07/07/2025	07/07/2025	Rubina Mughal	None	None	Iwona Zarych
								07/07/2025

FROM 50.00000ml of WP111294 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1582	Chloramine T solution, 0.014M	WP113831	07/07/2025	07/08/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	Glass Pipette-A	Iwona Zarych
								07/07/2025

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-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 #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYST, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICV-CN	ICV6-400	12/31/2025	01/08/2025 / lwona	02/20/2020 / lwona	W3012

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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	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.	01237-10KG / Magnesium Chloride Hexahydrate ACS 10KG	002126-2019-201	11/25/2029	11/25/2024 / Iwona	11/25/2024 / Iwona	W3152

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	45010168	07/17/2025	01/24/2025 / Iwona	01/24/2025 / Iwona	W3173

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 #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1505H73	11/30/2025	05/21/2025 / Iwona	05/21/2025 / Iwona	W3214

W3019
Rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA

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

Certificate of Analysis

Product Name:

Pyridine - anhydrous, 99.8%

Product Number:

270970

Batch Number:

SHBQ2113

Brand:

SIAL

CAS Number:

110-86-1

MDL Number:

MFCD00011732

Formula:

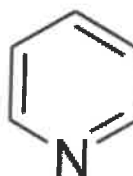
C₅H₅N

Formula Weight:

79.10 g/mol

Quality Release Date:

15 DEC 2022



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


Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

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





R: 02/20/20
53

Instructions for QATS Reference Material: Inorganic ICV Solutions

For ICP-MS use: dilute the ICV1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415

For the cold vapor analysis of mercury by AA: dilute the ICV5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400

For the analysis of cyanide: dilute the ICV6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS

ICV1-1014		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2520	504
Sb	1010	202
As	997	199
Ba	518	104
Be	514	103
Cd	514	103
Ca	10000	2000
Cr	517	103
Co	521	104
Cu	505	101
Fe	10100	2020
Pb	1030	206
Mg	5990	1198
Mn	524	105
Ni	525	105
K	9940	1988
Se	1030	206
Ag	252	50
Na	10100	2020
Tl	1040	208
V	504	101
Zn	1010	202

ICV5-0415		ICV6-0400	
Element	Concentration (µg/L) (after 100-fold dilution)	Analyte	Concentration (µg/L) (after 100-fold dilution)
Hg	4.0	CN ⁻	99

W3011
W3012
W3013
W3014
W3015

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

avantor™



M 6041-4b
MS

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

 **avantorsm**

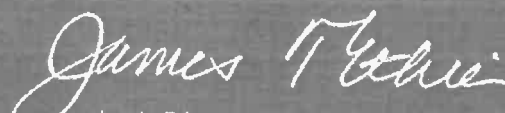


Material No.: 9673-33
Batch No.: 23D2462010

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

For Laboratory, Research, or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality

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

 **avantor™**



M6151

R → 11/15/25

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

 **avantorsm**



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

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

>>> Continued on page 3 >>>

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



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

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

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

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

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

(sodium dihydrogen phosphate, monohydrate)



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

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

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

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

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


Jamie Ethier
Vice President Global Quality

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



Certificate of Analysis



Sodium Hydroxide (Pellets)

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

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

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

Storage: Room Temperature

Pellets

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

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

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

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

Additional Information

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

Product meets analytical specifications of the grades listed.



Sodium Hydroxide (Pellets)

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

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

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

Storage: Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

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

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

Additional Information

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

Product meets analytical specifications of the grades listed.

W3139 Received on 9/9/24 by IZ

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

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

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Chem-Impex International, Inc.

Tel: (630) 766-2112**E-mail:** sales@chemimpex.com**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218**Web site:** www.chemimpex.com**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01237
Lot Number	002126-2019-201
Product	Magnesium chloride hexahydrate

Magnesium chloride•6H₂O

CAS Number	7791-18-6
Molecular Formula	MgCl ₂ •6H ₂ O
Molecular Weight	203.3

Appearance	White crystals
Solubility	167 g in 100 mL water
Melting Point	~ 115 °C
Heavy Metals	4.393 ppm
Anion	Nitrate (NO ₃) : < 0.001% Phosphate (PO ₄) : < 5 ppm Sulfate (SO ₄) : < 0.002%
Cation	Ammonium (NH ₄) : < 0.002% Barium (Ba) : 0.005% Calcium (Ca) : 0.01% Iron (Fe) : 4.5 ppm Manganese (Mn) : 0.624 ppm Potassium (K) : 0.004% Sodium (Na) : 0.000003% Strontium (Sr) : 0.005%
Insoluble material	0.0021%
Assay by titration	100.83%
Grade	ACS reagent
Storage	Store at RT

Certificate of Analysis

Catalog Number: 01237

Lot Number: 002126-2019-201

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager



Part of TCP Analytical Group

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

Certificate of Analysis

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

Product Code: **LC13545**

Manufacture Date: January 16, 2025

Lot Number: **45010168**

Expiration Date: July 17, 2025

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

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

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

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

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

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

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

Michael Monteleone

Michael Monteleone
Chemistry Supervisor - Quality Control
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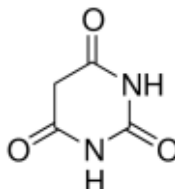
ISO9001:2015 Registration #0306-01

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.



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

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

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2480-01	GPX1	1	1.15	10.52	11.67	10.44	88.3	
Q2480-02	GPX2	2	1.19	10.60	11.79	10.66	89.3	
Q2480-03	GPX3	3	1.15	10.84	11.99	10.77	88.7	
Q2480-04	GPX4	4	1.13	10.84	11.97	10.66	87.9	
Q2480-05	GPX5	5	1.13	10.53	11.66	10.55	89.5	
Q2480-06	GPX6	6	1.17	10.56	11.73	10.35	86.9	
Q2480-07	GPX7	7	1.18	10.59	11.77	10.48	87.8	
Q2480-08	GPX8	8	1.18	10.37	11.55	10.22	87.2	
Q2484-01	TP-58	9	1.19	10.77	11.96	10.47	86.2	
Q2484-02	TP-57	10	1.18	10.22	11.4	9.97	86.0	
Q2484-03	TP-64	11	1.16	10.50	11.66	10.44	88.4	
Q2484-04	TP-107	12	1.13	10.69	11.82	10.09	83.8	
Q2484-05	TP-1006	13	1.14	10.48	11.62	10.35	87.9	
Q2484-06	TP-104	14	1.15	10.29	11.44	10.13	87.3	
Q2486-01	WASTE	15	1.16	10.31	11.47	9.77	83.5	
Q2486-02	VOC	16	1.18	11.32	12.5	10.65	83.7	
Q2486-03	1	17	1.15	10.80	11.95	10.24	84.2	
Q2486-04	2	18	1.13	10.46	11.59	9.74	82.3	
Q2486-05	3	19	1.13	10.78	11.91	10.12	83.4	
Q2486-06	4	20	1.19	10.00	11.19	9.65	84.6	
Q2486-07	5	21	1.19	10.26	11.45	8.79	74.1	
Q2491-01	EO-1-070225	22	1.19	10.51	11.7	10.9	92.4	
Q2491-02	EO-1-070225-E2	23	1.15	10.14	11.29	10.5	92.2	
Q2492-01	VNJ-254-1	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2492-02	VNJ-254-2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2493-01	WC-11	26	1.13	10.45	11.58	10.4	88.7	
Q2493-02	WC-11-EPH	27	1.19	10.23	11.42	9.72	83.4	
Q2493-03	WC-11-VOC	28	1.14	9.89	11.03	10.2	91.6	

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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
Q2494-01	Playhouse/Storag	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2494-02	Playhouse/Storag	36	1.00	1.00	2.00	2.00	100.0	chair form
Q2494-03	Garage Seat Foa	37	1.00	1.00	2.00	2.00	100.0	seat form
Q2494-04	Black foam in Sou	38	1.00	1.00	2.00	2.00	100.0	black form
Q2494-05	Kids Room styof	39	1.00	1.00	2.00	2.00	100.0	yellow form
Q2494-06	Kids Room Lower	40	1.00	1.00	2.00	2.00	100.0	form
Q2494-07	Kids Room styof	41	1.00	1.00	2.00	2.00	100.0	styra form
Q2494-08	Dog Beg Foam	42	1.00	1.00	2.00	2.00	100.0	bag form
Q2494-09	Cotton Layer - Ott	43	1.00	1.00	2.00	2.00	100.0	cotton layer
Q2494-10	Foam Ottoman	44	1.00	1.00	2.00	2.00	100.0	form ottoman
Q2494-11	Foyer North Wall	45	1.00	1.00	2.00	2.00	100.0	foyer north wall plug
Q2494-12	NE Stucco Exterio	46	1.00	1.00	2.00	2.00	100.0	stucco exterior
Q2494-13	Master Mattress	47	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-01	Chair Foam Parke	48	1.00	1.00	2.00	2.00	100.0	chair form
Q2495-02	SE Bedroom (3rd	49	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-03	E Bedroom Ceilin	50	1.00	1.00	2.00	2.00	100.0	ceiling plug
Q2495-04	South East Ceilining	51	1.00	1.00	2.00	2.00	100.0	east selling plug
Q2495-05	Master Bathroom	52	1.00	1.00	2.00	2.00	100.0	selling plug
Q2495-06	3rd Fl Hallway N	53	1.00	1.00	2.00	2.00	100.0	hoalway selling
Q2495-07	SE Bedroom Park	54	1.00	1.00	2.00	2.00	100.0	bedrom plug
Q2495-08	Family Room SW	55	1.00	1.00	2.00	2.00	100.0	family plug
Q2495-09	Foyer SE Corner P	56	1.00	1.00	2.00	2.00	100.0	foyer plug
Q2495-10	Green Carpet Pad	57	1.00	1.00	2.00	2.00	100.0	green carpet pad
Q2495-11	Rug in Dining Roo	58	1.00	1.00	2.00	2.00	100.0	rug
Q2495-12	LR Couch Cushion	59	1.00	1.00	2.00	2.00	100.0	couch cushion
Q2495-13	Dining Room W	60	1.00	1.00	2.00	2.00	100.0	wood and foam
Q2495-14	Kitchen Dining E	61	1.00	1.00	2.00	2.00	100.0	kithean rug
Q2495-15	Garage Southwes	62	1.00	1.00	2.00	2.00	100.0	plug

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Q2495-16	Zack"s Matterss	63	1.00	1.00	2.00	2.00	100.0	mattess
Q2495-17	Zack"s Couch	64	1.00	1.00	2.00	2.00	100.0	zacks couch
Q2496-02	N exterior center	65	1.00	1.00	2.00	2.00	100.0	stucco wall
Q2496-03	Basement south	66	1.00	1.00	2.00	2.00	100.0	wall cavity stucc
Q2496-04	Entertainment ro	67	1.00	1.00	2.00	2.00	100.0	hvac close
Q2496-05	Black mat outside	68	1.00	1.00	2.00	2.00	100.0	outside mat
Q2496-06	Basement bedroom	69	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2496-07	Basement bedroom-1	70	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-08	Basement bedroom-2	71	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-09	Maeve"s room ma	72	1.00	1.00	2.00	2.00	100.0	mattess
Q2496-10	Master bedroom	73	1.00	1.00	2.00	2.00	100.0	rug
Q2496-11	Master bedroom-1	74	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-12	Master bedroom-2	75	1.00	1.00	2.00	2.00	100.0	mattess form
Q2496-13	Master bedroom-3	76	1.00	1.00	2.00	2.00	100.0	office chair form
Q2496-14	SE bedroom brow	77	1.00	1.00	2.00	2.00	100.0	form
Q2496-15	SE bedroom gray	78	1.00	1.00	2.00	2.00	100.0	gray cushion
Q2496-16	Maeves room gre	79	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-17	Master bedroom-4	80	1.00	1.00	2.00	2.00	100.0	plug
Q2496-18	3rd floor roof ent	81	1.00	1.00	2.00	2.00	100.0	plug
Q2496-19	Living room couc	82	1.00	1.00	2.00	2.00	100.0	couch form
Q2496-20	Living room 2 sea	83	1.00	1.00	2.00	2.00	100.0	form
Q2496-21	Office leather cha	84	1.00	1.00	2.00	2.00	100.0	form
Q2496-22	Pink shoe sole	85	1.00	1.00	2.00	2.00	100.0	shoe sole
Q2496-23	Living room rug S	86	1.00	1.00	2.00	2.00	100.0	rug
Q2496-24	Dining room NE c	87	1.00	1.00	2.00	2.00	100.0	plug
Q2497-01	SW bedroom (San	88	1.00	1.00	2.00	2.00	100.0	plug
Q2497-02	Salman s room SE	89	1.00	1.00	2.00	2.00	100.0	plug compossi
Q2497-03	Sanah s room bed	90	1.00	1.00	2.00	2.00	100.0	sanah form

PERCENT SOLID

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Q2497-04	Salman s room m	91	1.00	1.00	2.00	2.00	100.0	mattess form
Q2497-05	Master bed mattr	92	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-06	Kaihaan s room m	93	1.00	1.00	2.00	2.00	100.0	form
Q2497-07	Garage foam yog	94	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-08	Living room west	95	1.00	1.00	2.00	2.00	100.0	form
Q2497-09	Entrance rug	96	1.00	1.00	2.00	2.00	100.0	rug
Q2497-10	south exterior re	97	1.00	1.00	2.00	2.00	100.0	form
Q2497-11	Garage gym floor	98	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-12	Rug by the back d	99	1.00	1.00	2.00	2.00	100.0	rug
Q2497-13	Guest bed mattre	100	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-14	Garage backyard	101	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-15	LR SW conner chai	102	1.00	1.00	2.00	2.00	100.0	form
Q2497-16	Living room NE co	103	1.00	1.00	2.00	2.00	100.0	catters
Q2497-17	Dining room SW c	104	1.00	1.00	2.00	2.00	100.0	chair form
Q2497-18	LR SW rug corner	105	1.00	1.00	2.00	2.00	100.0	rug
Q2497-19	LR west wall plug	106	1.00	1.00	2.00	2.00	100.0	plug
Q2497-20	LR NE corner plug	107	1.00	1.00	2.00	2.00	100.0	plug
Q2497-21	office east wall pl	108	1.00	1.00	2.00	2.00	100.0	plug
Q2497-22	Bedroom north w	109	1.00	1.00	2.00	2.00	100.0	plug
Q2497-23	Kitchen ceiling pl	110	1.00	1.00	2.00	2.00	100.0	celling plug
Q2498-01	NE Bd bed foam	111	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2498-02	NE Bd pillow foa	112	1.00	1.00	2.00	2.00	100.0	form
Q2498-03	Master bed NE m	113	1.00	1.00	2.00	2.00	100.0	mattess
Q2500-01	X600-B2	29	1.15	10.84	11.99	11.24	93.1	
Q2500-02	X600-S2	30	1.19	10.36	11.55	10.6	90.8	
Q2500-03	X600-B1	31	1.13	10.42	11.55	11.02	94.9	
Q2500-04	X600-S1	32	1.13	10.32	11.45	10.6	91.8	
Q2500-05	X600-DUP1	33	1.14	10.85	11.99	11.3	93.6	



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Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2500-06	X600-S3	34	1.11	10.71	11.82	11.18	94.0	

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

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2480-01	GPX1	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-02	GPX2	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-03	GPX3	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-04	GPX4	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-05	GPX5	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-06	GPX6	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-07	GPX7	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-08	GPX8	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2484-01	TP-58	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-02	TP-57	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-03	TP-64	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-04	TP-107	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-05	TP-1008	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-06	TP-104	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2486-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

Date/Time 07/02/25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2491-01	EO-1-070225	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2491-02	EO-1-070225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-01	VNJ-254-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-02	VNJ-254-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2493-01	WC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-02	WC-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-03	WC-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2494-01	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-02	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-03	Garage Seat Foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-04	Black foam in Sou	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-05	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-06	Kids Room Lower	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-07	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-08	Dog Beg Foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-09	Cotton Layer - Ott	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-10	Foam Ottoman	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-11	Foyer North Wall	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-12	NE Stucco Exterio	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-13	Master Mattress	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2495-01	Chair Foam Parke	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:13

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2495-02	SE Bedroom (3rd	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-03	E Bedroom Ceilin	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-04	South East Ceiling	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-05	Master Bathroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-06	3rd Fl Hallway N	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-07	SE Bedroom Park	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-08	Family Room SW	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-09	Foyer SE Corner P	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-10	Green Carpet Pad	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-11	Rug in Dining Roo	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-12	LR Couch Cushion	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-13	Dining Room W	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-14	Kitchen Dining E	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-15	Garage Southwes	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-16	Zack's Matterss	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-17	Zack's Couch	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-02	N exterior center	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-03	Basement south	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-04	Entertainment ro	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-05	Black mat outside	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-06	Basement bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2496-07	Basement bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-08	Basement bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-09	Maeve's room ma	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-10	Master bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-11	Master bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-12	Master bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-13	Master bedroom-3	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-14	SE bedroom brow	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-15	SE bedroom gray	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-16	Maeves room gre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-17	Master bedroom-4	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-18	3rd floor roof ent	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-19	Living room couc	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-20	Living room 2 sea	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-21	Office leather cha	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-22	Pink shoe sole	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-23	Living room rug S	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-24	Dining room NE c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-01	SW bedroom (San	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-02	Salman s room SE	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-03	Sanah s room bed	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SS WWC
 Raw Sample Relinquished by: SS WWC

Date/Time 07/02/25 17:35
 Raw Sample Received by: SS WWC
 Raw Sample Relinquished by: SS WWC

WORKLIST(Hardcopy Internal Chain)

NR136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2497-04	Salman s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-05	Master bed matr	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-06	Kaihaan s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-07	Garage foam yog	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-08	Living room west	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-09	Entrance rug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-10	south exterior re	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-11	Garage gym floor	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-12	Rug by the back d	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-13	Guest bed matre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-14	Garage backyard	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-15	LR SW conner chai	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-16	Living room NE co	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-17	Dining room SW c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-18	LR SW rug corner	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-19	LR west wall plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-20	LR NE corner plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-21	office east wall pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-22	Bedroom north w	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-23	Kitchen ceiling pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2498-01	NE Bd bed foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: [Signature] SH

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature] SH
 Raw Sample Relinquished by: SR WWC

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2498-02	NE Bd pillow foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2498-03	Master bed NE m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2500-01	X600-B2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-02	X600-S2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-03	X600-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-04	X600-S1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-05	X600-DUP1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-06	X600-S3	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS



CHAIN OF CUSTODY RECORD

Omega COCID 3975

PAGE: 1

OF: 1

Q2498

ADDRESS

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
FAX: (330) 253-4489
Website: <http://www.settek.com>

SUB CONTRACTOR: Chemtech NJ		COMPANY: Chemtech		SPECIAL INSTRUCTIONS / COMMENTS: Report to salwa.najjar@alliancetg.com PO 25061955 No certification required please use client sample ID																																																																						
ADDRESS: 284 Sheffield St., Ste 1				<table border="1"> <thead> <tr> <th colspan="12">ANALYTICAL PARAMETERS</th> <th rowspan="2">COMMENTS Methanol Preserved Weights HOT Sample Notation Additional Sample Description, etc.</th> </tr> <tr> <th>ITEM #</th> <th>SAMPLE ID</th> <th>Client Sample ID</th> <th>Bottle Type</th> <th>MATRIX</th> <th>DATE COLLECTED</th> <th>NUMBER OF CONTAINERS</th> <th colspan="5"></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25061955-00</td> <td>NE Bd bed foam</td> <td>4 OZ GLASS</td> <td>Solid</td> <td>6/20/2025 4:00:00 PM</td> <td>1</td> <td>✓</td> <td></td><td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>2</td> <td>25061955-00</td> <td>NE Bd pillow foa</td> <td>4 OZ GLASS</td> <td>Solid</td> <td>6/20/2025 4:10:00 PM</td> <td>1</td> <td>✓</td> <td></td><td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>3</td> <td>25061955-00</td> <td>Master bed NE m</td> <td>4 OZ GLASS</td> <td>Solid</td> <td>6/20/2025 4:20:00 PM</td> <td>1</td> <td>✓</td> <td></td><td></td><td></td><td></td><td></td> <td></td> </tr> </tbody> </table>				ANALYTICAL PARAMETERS												COMMENTS Methanol Preserved Weights HOT Sample Notation Additional Sample Description, etc.	ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS						1	25061955-00	NE Bd bed foam	4 OZ GLASS	Solid	6/20/2025 4:00:00 PM	1	✓							2	25061955-00	NE Bd pillow foa	4 OZ GLASS	Solid	6/20/2025 4:10:00 PM	1	✓							3	25061955-00	Master bed NE m	4 OZ GLASS	Solid	6/20/2025 4:20:00 PM	1	✓						
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3	25061955-00	Master bed NE m	4 OZ GLASS	Solid	6/20/2025 4:20:00 PM	1	✓																																																																			
CITY, STATE, ZIP: Mountainside, NJ 07092																																																																										
PHONE: (908) 789-8900 FAX: EMAIL:																																																																										
ACCOUNT #:																																																																										

Relinquished By: <i>Salwa Najjar</i>	Date: 6/30/2025	Time: 3:10 PM	Received By: <i>CL</i>	Date: 7/1/25	Time: 1025	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool ? _____ Comments: _____	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐ Note: RUSH requests will incur surcharges!							

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