

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: Q3063
Client: Elegant Jewelers Mfg. Co. Inc.
Contact: Sandy Petropoulos

OrderDate: 9/9/2025 3:44:00 PM
Project: Waste Water 2025
Location: D31

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|------------------|--------|------------------|--------------------------------------|-------------------|-----------|-------------------|----------|
| Q3063-01 | CN-1-4-COMPOSITE | WATER | | | 09/11/25 10:00 | | | 09/11/25 |
| | | | Cyanide | SM4500-CN C,E | | 09/16/25 | 09/16/25 12:16 | |
| | | | Cyanide-Amenable | SM4500-CN B,G Cyanide-Amenable | | | 09/16/25 00:00 | |



SAMPLE DATA

Report of Analysis

| | | | |
|-------------------|--------------------------------|-----------------|----------------|
| Client: | Elegant Jewelers Mfg. Co. Inc. | Date Collected: | 09/11/25 10:00 |
| Project: | Waste Water 2025 | Date Received: | 09/11/25 |
| Client Sample ID: | CN-1-4-COMPOSITE | SDG No.: | Q3063 |
| Lab Sample ID: | Q3063-01 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|------------------|--------|------|----|--------|------------|-------|----------------|----------------|------------------------------|
| Cyanide | 0.0026 | J | 1 | 0.0012 | 0.0050 | mg/L | 09/16/25 10:10 | 09/16/25 12:16 | SM 4500-CN C-21 plus E-21 |
| Cyanide-Amenable | 0.0012 | U | 1 | 0.0012 | 0.0050 | mg/L | | 09/16/25 00:00 | SM 4500-CN B-16 plus G-16 |

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

RunNo.: LB137201

| Analyte | | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|-----------------------|------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID: Cyanide | ICV1 | mg/L | 0.096 | 0.099 | 97 | 85-115 | 09/16/2025 |
| Sample ID: Cyanide | CCV1 | mg/L | 0.24 | 0.25 | 96 | 90-110 | 09/16/2025 |
| Sample ID: Cyanide | CCV2 | mg/L | 0.25 | 0.25 | 100 | 90-110 | 09/16/2025 |

Initial and Continuing Calibration Verification

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

RunNo.: LB137201

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---------|-------|--------|------------|---------------|---------------------------|------------------|
|---------|-------|--------|------------|---------------|---------------------------|------------------|



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

Initial and Continuing Calibration Blank Summary

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

RunNo.: LB137201

| Analyte | | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|------------|------|-------|--------|----------------------|--------------|--------|-------|------------------|
| Sample ID: | ICB1 | | | | | | | |
| Cyanide | | mg/L | 0.0012 | 0.0025 | J | 0.0012 | 0.005 | 09/16/2025 |
| Sample ID: | CCB1 | | | | | | | |
| Cyanide | | mg/L | 0.0014 | 0.0025 | J | 0.0012 | 0.005 | 09/16/2025 |
| Sample ID: | CCB2 | | | | | | | |
| Cyanide | | mg/L | 0.0014 | 0.0025 | J | 0.0012 | 0.005 | 09/16/2025 |

Initial and Continuing Calibration Blank Summary

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

RunNo.: LB137201

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---------|-------|--------|----------------------|--------------|-----|-----|------------------|
|---------|-------|--------|----------------------|--------------|-----|-----|------------------|

Preparation Blank Summary

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|-----------------------|---------------------------|----------|----------------------|--------------|--------|-------|------------------|
| Sample ID: Cyanide | PB169643BL mg/L | < 0.0025 | 0.0025 | U | 0.0012 | 0.005 | 09/16/2025 |

Matrix Spike Summary

| | | | |
|-------------------|--------------------------------|---|----------|
| Client: | Elegant Jewelers Mfg. Co. Inc. | SDG No.: | Q3063 |
| Project: | Waste Water 2025 | Sample ID: | Q3063-01 |
| Client ID: | CN-1-4-COMPOSITEMS | Percent Solids for Spike Sample: | 0 |

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Cyanide | mg/L | 75-125 | 0.044 | | 0.0026 | J | 0.04 | 1 | 104 | | 09/16/2025 |

Matrix Spike Summary

| | | | |
|-------------------|--------------------------------|---|----------|
| Client: | Elegant Jewelers Mfg. Co. Inc. | SDG No.: | Q3063 |
| Project: | Waste Water 2025 | Sample ID: | Q3063-01 |
| Client ID: | CN-1-4-COMPOSITEMSD | Percent Solids for Spike Sample: | 0 |

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Cyanide | mg/L | 75-125 | 0.044 | | 0.0026 | J | 0.04 | 1 | 104 | | 09/16/2025 |

Duplicate Sample Summary

| | |
|---|---|
| Client: Elegant Jewelers Mfg. Co. Inc. | SDG No.: Q3063 |
| Project: Waste Water 2025 | Sample ID: Q3063-01 |
| Client ID: CN-1-4-COMPOSITEDUP | Percent Solids for Spike Sample: 0 |

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Cyanide | mg/L | +/-20 | 0.0026 | J | 0.0026 | J | 1 | 0 | | 09/16/2025 |

Duplicate Sample Summary

| | | | |
|-------------------|--------------------------------|---|----------|
| Client: | Elegant Jewelers Mfg. Co. Inc. | SDG No.: | Q3063 |
| Project: | Waste Water 2025 | Sample ID: | Q3063-01 |
| Client ID: | CN-1-4-COMPOSITEMSD | Percent Solids for Spike Sample: | 0 |

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Cyanide | mg/L | +/-20 | 0.044 | | 0.044 | | 1 | 0 | | 09/16/2025 |

Laboratory Control Sample Summary

Client: Elegant Jewelers Mfg. Co. Inc.

SDG No.: Q3063

Project: Waste Water 2025

Run No.: LB137201

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | PB169643BS | | | | | | | |
| Cyanide | mg/L | 0.1 | 0.096 | | 96 | 1 | 85-115 | 09/16/2025 |



RAW DATA

LB137

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group
 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/16/2025 12:33

Test: Total CN

| Sample Id | Result | Dil. 1 + | Response | Errors |
|-------------|---------|----------|----------|--------|
| ICV1 | 95.696 | 0.0 | 0.082 | |
| ICB1 | 1.232 | 0.0 | 0.001 | |
| CCV1 | 242.323 | 0.0 | 0.208 | |
| CCB1 | 1.359 | 0.0 | 0.001 | |
| RL CHECK | 5.678 | 0.0 | 0.005 | |
| PB169643BL | 1.106 | 0.0 | 0.001 | |
| PB169643BS | 95.517 | 0.0 | 0.082 | |
| MIDPB169643 | 240.014 | 0.0 | 0.206 | |
| Q3063-01 | 2.625 | 0.0 | 0.002 | |
| Q3063-01DUP | 2.616 | 0.0 | 0.002 | |
| Q3063-01MS | 44.211 | 0.0 | 0.038 | |
| Q3063-01MSD | 44.281 | 0.0 | 0.038 | |
| Q3098-01 | 2.001 | 0.0 | 0.001 | |
| CCV2 | 247.686 | 0.0 | 0.212 | |
| CCB2 | 1.425 | 0.0 | 0.001 | |

113% (50-150)
 09/16/2025
 RM

96% (90-110)

N 15
 Mean 68.518
 SD 96.1799
 CV% 140.37

Aquakem v. 7.2AQ1

Results from time period:

Tue Sep 16 12:08:28 2025

Tue Sep 16 12:29:24 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 | 1.264 | µg/l | 9/16/2025 10:09:03 | |
| 5.0PPBCN | A | Total CN | P | 6.1311 | µg/l | 9/16/2025 10:09:04 | |
| 10PPBCN | A | Total CN | P | 10.6204 | µg/l | 9/16/2025 10:09:05 | |
| 50PPBCN | A | Total CN | P | 48.1006 | µg/l | 9/16/2025 10:09:06 | |
| 100PPBCN | A | Total CN | P | 98.8616 | µg/l | 9/16/2025 10:09:07 | |
| 250PPBCN | A | Total CN | P | 249.2568 | µg/l | 9/16/2025 10:09:08 | |
| 500PPBCN | A | Total CN | P | 500.7655 | µg/l | 9/16/2025 10:09:09 | |
| ICV1 | S | Total CN | P | 95.6963 | µg/l | 9/16/2025 12:08:29 | |
| ICB1 | S | Total CN | P | 1.2318 | µg/l | 9/16/2025 12:08:30 | |
| CCV1 | S | Total CN | P | 242.3225 | µg/l | 9/16/2025 12:08:33 | |
| CCB1 | S | Total CN | P | 1.3587 | µg/l | 9/16/2025 12:08:35 | |
| RL CHECK | S | Total CN | P | 5.678 | µg/l | 9/16/2025 12:08:37 | |
| PB169643BL | S | Total CN | P | 1.1063 | µg/l | 9/16/2025 12:16:03 | |
| PB169643BS | S | Total CN | P | 95.517 | µg/l | 9/16/2025 12:16:06 | |
| MIDPB169643 | S | Total CN | P | 240.0142 | µg/l | 9/16/2025 12:16:08 | |
| Q3063-01 | S | Total CN | P | 2.6252 | µg/l | 9/16/2025 12:16:09 | |
| Q3063-01DUP | S | Total CN | P | 2.6163 | µg/l | 9/16/2025 12:16:12 | |
| Q3063-01MS | S | Total CN | P | 44.211 | µg/l | 9/16/2025 12:23:39 | |
| Q3063-01MSD | S | Total CN | P | 44.281 | µg/l | 9/16/2025 12:23:40 | |
| Q3098-01 | S | Total CN | P | 2.0005 | µg/l | 9/16/2025 12:23:41 | |
| CCV2 | S | Total CN | P | 247.6863 | µg/l | 9/16/2025 12:29:21 | |
| CCB2 | S | Total CN | P | 1.4249 | µg/l | 9/16/2025 12:29:24 | |

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/16/2025 10:19

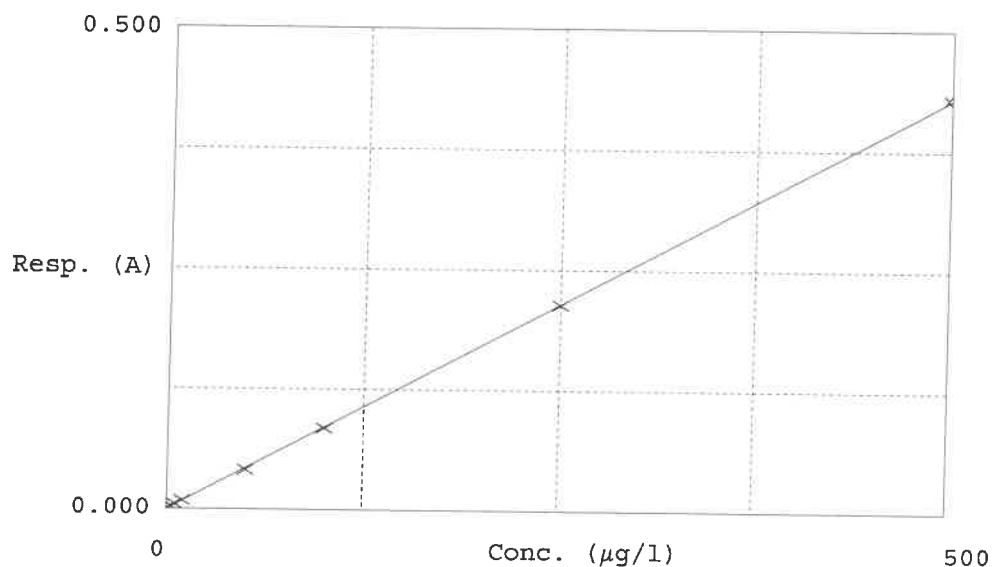
Test Total CN

Accepted 9/16/2025 10:19

Factor 1166
Bias 0

Coeff. of det. 0.999955

Errors



| | Calibrator | Response | Calc. con. | Conc. | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN | 0.001 | 1.2640 | 0.0000 | - |
| 2 | 5.0PPBCN | 0.005 | 6.1311 | 5.0000 | 22.6 |
| 3 | 10PPBCN | 0.009 | 10.6204 | 10.0000 | 6.2 |
| 4 | 50PPBCN | 0.041 | 48.1006 | 50.0000 | -3.8 |
| 5 | 100PPBCN | 0.084 | 98.8616 | 100.0000 | -1.1 |
| 6 | 250PPBCN | 0.214 | 249.2568 | 250.0000 | -0.3 |
| 7 | 500PPBCN | 0.429 | 500.7655 | 500.0000 | 0.2 |

09/16/2025
RM

SOP ID : MSM4500-CN C,E-Cyanide-13

SDG No : N/A

Start Digest Date: 09/16/2025 Time : 10:10 Temp : 123 °C

Matrix : WATER

End Digest Date: 09/16/2025 Time : 11:40 Temp : 127 °C

Pipette ID : WC

Balance ID : N/A

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 : N/A

pH Meter ID : N/A

Supervisor Signature: 12


| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSW | 1.0ML | WP113838 |
| MS/MSD SPIKE SOL. | 0.40ML | WP113837 |
| PBW | 50.0ML | W3112 |
| RL CHECK | 50.0ML | WP114781 |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|-----------------------|----------------|------------|
| 0.25N NaOH | 50.0ML | WP113836 |
| 50% v/v H2SO4 | 5.0ML | WP112826 |
| 51% w/v MgCL2 | 2.0ML | WP112827 |
| pH Paper 0-14 | N/A | W3215 |
| Nitrate/Nitrite Strip | N/A | W3182 |
| Lead Acetate strip | N/A | W3134 |
| KI-starch paper | N/A | W3155 |
| 0.4N Sulfamic Acid | 5. ML | WP112829 |
| 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 | 2.5ML | WP113837 |
| HIGHSTD | HIGHSTD | N/A | N/A |
| LOWSTD | LOWSTD | N/A | N/A |

Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|------------------|---|----------------------|
| 09/16/2025 11:50 |  JWC | RH (WC) |
| | Preparation Group | Analysis Group |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---------------|---------------------|------------------|----------------|-----|----------|-----------|------------------|---------|----------|
| PB169643BL | PBW643 | 50 | 50 | >12 | Negative | Negative | Negative | N/A | N/A |
| PB169643BS | LCS643 | 50 | 50 | >12 | Negative | Negative | Negative | N/A | N/A |
| Q3063-01DUP | CN-1-4-COMPOSITEDUP | 50 | 50 | >12 | Negative | Negative | Positive | N/A | N/A |
| Q3063-01MS | CN-1-4-COMPOSITEMS | 50 | 50 | >12 | Negative | Negative | Positive | N/A | N/A |
| Q3063-01MSD | CN-1-4-COMPOSITMSD | 50 | 50 | >12 | Negative | Negative | Positive | N/A | N/A |
| Q3063-01 | CN-1-4-COMPOSITE | 50 | 50 | >12 | Negative | Negative | Positive | N/A | N/A |
| Q3098-01 | EFF-WW | 50 | 50 | >12 | Negative | Negative | Negative | N/A | N/A |

WORKLIST(Hardcopy Internal Chain)

WorkList Name : cn w q3098 WorkList ID : 191857 Department : Distillation Date : 09-15-2025 07:55:37

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|--------------------|--------|---------|--------------------|----------|-----------------------------|--------------|-------------|
| Q3063-01 | A CN-1-4-COMPOSITE | Water | Cyanide | 1:1 NaOH to pH >12 | ELEG01 | D31 | 09/11/2025 | SM4500-CN C |
| Q3098-01 | P EFF-WW | Water | Cyanide | 1:1 NaOH to pH >12 | ARDM01 | D31 | 09/12/2025 | SM4500-CN C |

Date/Time 09/16/2025 07:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 09/16/2025 10:45
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137201

| | | | |
|------------------|--|--------------|----------------------|
| Review By | rubina | Review On | 9/16/2025 3:44:05 PM |
| Supervise By | Iwona | Supervise On | 9/16/2025 3:44:52 PM |
| SubDirectory | LB137201 | Test | Cyanide |
| STD. NAME | STD REF.# | | |
| ICAL Standard | WP114776,WP114777,WP114778,WP114779,WP114780,WP114781,WP114782 | | |
| ICV Standard | W3012 | | |
| CCV Standard | WP114777 | | |
| ICSA Standard | N/A | | |
| CRI Standard | N/A | | |
| LCS Standard | WP113838 | | |
| Chk Standard | WP112643,WP114324,WP114783 | | |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|-----|-------------|------------------|--------|----------------|---------|----------|--------|
| 1 | 0.0PPBCN | 0.0PPBCN | CAL1 | 09/16/25 10:09 | | rubina | OK |
| 2 | 5.0PPBCN | 5.0PPBCN | CAL2 | 09/16/25 10:09 | | rubina | OK |
| 3 | 10PPBCN | 10PPBCN | CAL3 | 09/16/25 10:09 | | rubina | OK |
| 4 | 50PPBCN | 50PPBCN | CAL4 | 09/16/25 10:09 | | rubina | OK |
| 5 | 100PPBCN | 100PPBCN | CAL5 | 09/16/25 10:09 | | rubina | OK |
| 6 | 250PPBCN | 250PPBCN | CAL6 | 09/16/25 10:09 | | rubina | OK |
| 7 | 500PPBCN | 500PPBCN | CAL7 | 09/16/25 10:09 | | rubina | OK |
| 8 | ICV1 | ICV1 | ICV | 09/16/25 12:08 | | rubina | OK |
| 9 | ICB1 | ICB1 | ICB | 09/16/25 12:08 | | rubina | OK |
| 10 | CCV1 | CCV1 | CCV | 09/16/25 12:08 | | rubina | OK |
| 11 | CCB1 | CCB1 | CCB | 09/16/25 12:08 | | rubina | OK |
| 12 | RL | RL | LOQ | 09/16/25 12:08 | | rubina | OK |
| 13 | PB169643BL | PB169643BL | MB | 09/16/25 12:16 | | rubina | OK |
| 14 | PB169643BS | PB169643BS | LCS | 09/16/25 12:16 | | rubina | OK |
| 15 | MIDPB169643 | MIDPB169643 | SAM | 09/16/25 12:16 | | rubina | OK |
| 16 | Q3063-01 | CN-1-4-COMPOSITE | SAM | 09/16/25 12:16 | | rubina | OK |
| 17 | Q3063-01DUP | CN-1-4-COMPOSITE | DUP | 09/16/25 12:16 | | rubina | OK |
| 18 | Q3063-01MS | CN-1-4-COMPOSITE | MS | 09/16/25 12:23 | | rubina | OK |

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137201

| | | | |
|------------------|--|--------------|----------------------|
| Review By | rubina | Review On | 9/16/2025 3:44:05 PM |
| Supervise By | Iwona | Supervise On | 9/16/2025 3:44:52 PM |
| SubDirectory | LB137201 | Test | Cyanide |
| STD. NAME | STD REF.# | | |
| ICAL Standard | WP114776,WP114777,WP114778,WP114779,WP114780,WP114781,WP114782 | | |
| ICV Standard | W3012 | | |
| CCV Standard | WP114777 | | |
| ICSA Standard | N/A | | |
| CRI Standard | N/A | | |
| LCS Standard | WP113838 | | |
| Chk Standard | WP112643,WP114324,WP114783 | | |

| | | | | | | | |
|----|-------------|------------------|-----|----------------|--|--------|----|
| 19 | Q3063-01MSD | CN-1-4-COMPOSITE | MSD | 09/16/25 12:23 | | rubina | OK |
| 20 | Q3098-01 | EFF-WW | SAM | 09/16/25 12:23 | | rubina | OK |
| 21 | CCV2 | CCV2 | CCV | 09/16/25 12:29 | | rubina | OK |
| 22 | CCB2 | CCB2 | CCB | 09/16/25 12:29 | | rubina | OK |



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

Instrument ID:

Daily Analysis Runlog For Sequence/QCBatch ID #

| | |
|--------------|--------------|
| Review By | Review On |
| Supervise By | Supervise On |

| STD. NAME | STD REF.# |
|--|-----------|
| ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard | |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|-----|----------|----------|--------|------|---------|----------|--------|
| | | | | | | | |

Prep Standard - Chemical Standard Summary

Order ID : Q3063

Test : Cyanide,Cyanide-Amenable

Prepbatch ID : PB169643,

Sequence ID/Qc Batch ID: LB137201, LB137230,

Standard ID :

WP112643, WP112826, WP112827, WP113836, WP113837, WP113838, WP114324, WP114775, WP114776, WP114777, WP114778, WP114779, WP114780, WP114781, WP114782, WP114783,

Chemical ID :

M6041, M6151, W2668, W3012, W3019, W3112, W3113, W3139, W3152, W3182, W3203, W3214, W3215, W3224,

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

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|--|--------------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1714 | Sulfuric Acid, 50% (v/v) | WP112826 | 04/25/2025 | 10/25/2025 | Rubina Mughal | None | None | Iwona Zarych 04/25/2025 |
| <u>FROM</u> 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_SCALE_8 (WC SC-7) | None | Iwona Zarych 04/25/2025 |
| <u>FROM</u> 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> |
|---|--|--------------------------|------------------|------------------------|--------------------|-------------------------|------------------|----------------------------|
| 11 | Sodium hydroxide absorbing solution 0.25 N | WP113836 | 07/08/2025 | 12/31/2025 | Rubina Mughal | WETCHEM_SCALE_8 (WCS-7) | None | Iwona Zarych 07/08/2025 |
| <u>FROM</u> 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> |
|------------------|---------------------------------------|--------------------------|------------------|------------------------|--------------------|----------------|---------------------------|----------------------------|
| 3850 | Cyanide MS-MSD spiking solution, 5PPM | WP113837 | 07/08/2025 | 11/30/2025 | Rubina Mughal | None | WETCHEM_FIPETTE_3 (WC) | Iwona Zarych 07/08/2025 |

FROM 1.00000ml of W3214 + 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> |
|------------------|----------------------------------|--------------------------|------------------|------------------------|--------------------|----------------|---------------------------|----------------------------|
| 3371 | Cyanide LCS Spike Solution, 5PPM | WP113838 | 07/08/2025 | 12/24/2025 | Rubina Mughal | None | WETCHEM_FIPETTE_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> |
|------------------|---|--------------------------|------------------|------------------------|--------------------|-------------------------|------------------|------------------------------|
| 607 | PYRIDINE-BARBITURIC ACID | WP114324 | 08/19/2025 | 02/17/2026 | Rubina Mughal | WETCHEM_SCALE_5 (WCS-5) | Glass Pipette-A | Jignesh Parikh 08/19/2025 |
| <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> |
|--|--|--------------------------|------------------|------------------------|--------------------|----------------|---------------------------|----------------------------|
| 3456 | Cyanide Intermediate Working Std, 5PPM | WP114775 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 (WC) | Iwona Zarych 09/17/2025 |
| <u>FROM</u> 0.25000ml of W3214 + 49.75000ml of WP113836 = Final Quantity: 50.000 ml | | | | | | | | |



| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|---|------------------------------|--------------------------|------------------|------------------------|--------------------|----------------|-------------------|----------------------|
| 4 | Calibration standard 500 ppb | WP114776 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 | Iwona Zarych |
| <p>(WC)</p> <p>FROM 45.00000ml of WP113836 + 5.00000ml of WP114775 = Final Quantity: 50.000 ml</p> | | | | | | | | |

| <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 | WP114777 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 (WC) | Iwona Zarych 09/17/2025 |
| <u>FROM</u> 2.50000ml of WP114775 + 47.50000ml of WP113836 = Final Quantity: 50.000 ml | | | | | | | | |



| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|---|------------------------------|--------------------------|------------------|------------------------|--------------------|----------------|---------------------------|----------------------------|
| 6 | Calibration Standard 100 ppb | WP114778 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 (WC) | Iwona Zarych 09/17/2025 |
| <u>FROM</u> 1.00000ml of WP114775 + 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 | WP114779 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 (WC) | Iwona Zarych 09/17/2025 |
| <u>FROM</u> 0.50000ml of WP114775 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml | | | | | | | | |



| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|---|-----------------------------|--------------------------|------------------|------------------------|--------------------|----------------|-------------------|----------------------|
| 8 | Calibration Standard 10 ppb | WP114780 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 | Iwona Zarych |
| <p>(WC)</p> <p>FROM 1.00000ml of WP114776 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml</p> | | | | | | | | |

| <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 | WP114781 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | WETCHEM_PIPETTE_3 (WC) | Iwona Zarych 09/17/2025 |
| <u>FROM</u> | 0.50000ml of WP114776 + 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 | WP114782 | 09/16/2025 | 09/17/2025 | Rubina Mughal | None | None | Iwona Zarych |
| | | | | | | | | 09/17/2025 |

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> |
|------------------|-------------------------------|--------------------------|------------------|------------------------|--------------------|----------------------------------|--------------------|----------------------|
| 1582 | Chloramine T solution, 0.014M | WP114783 | 09/16/2025 | 09/17/2025 | Rubina Mughal | WETCHEM_S CALE_5 (WC SC-5) | Glass Pipette-A | Iwona Zarych |
| | | | | | | | | 09/17/2025 |

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 | 02/17/2026 | 02/18/2025 / Sagar | 01/15/2025 / Sagar | M6151 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|---|------------|-----------------|-------------------------|-----------------------------|----------------|
| 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. | 470112-662 / TEST STRIPES, NITRATE/NITRITE, PK50 | 436101 | 04/30/2027 | 08/05/2025 / Iwona | 02/26/2025 / Iwona | W3182 |

| 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 | WXBFB3271V | 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 |

CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|---|---------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | 140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK | 10D3242 | 12/31/2028 | 06/09/2025 / lwona | 06/09/2025 / lwona | W3215 |

| 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

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

 **avantor™**



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

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

For Laboratory, Research, or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality

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 |
|------|---------------|--------|
|------|---------------|--------|

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 |

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.

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.

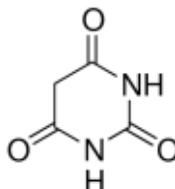
Bala Kumar
Quality Control Manager

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.



Part of TCP Analytical Group

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

Certificate of Analysis

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

Product Code: **LC13545**

Manufacture Date: June 25, 2025

Lot Number: **45060288**

Expiration Date: December 24, 2025

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

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

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

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

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

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

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

Michael Monteleone

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

ISO9001:2015 Registration #0306-01



SHIPPING DOCUMENTS



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

CHAIN OF CUSTODY RECORD

Alliance Project Number: **Q3063**

COC Number:

| CLIENT INFORMATION | | | PROJECT INFORMATION | | | | BILLING INFORMATION | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------|---|---------------------|---------------|---|--|-------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|
| COMPANY: Elegant Jewelers | | | PROJECT NAME: FALL 2025 | | | | BILL TO: PO# | | | | | | | | | | | | | | | | | | | | | |
| ADDRESS: 31 W. 47th Street #301 | | | PROJECT #: | | LOCATION: | | ADDRESS: | | | | | | | | | | | | | | | | | | | | | |
| CITY NYC STATE: NY ZIP: 10036 | | | PROJECT MANAGER: SANDY | | | | CITY: STATE: ZIP: | | | | | | | | | | | | | | | | | | | | | |
| ATTENTION: SANDY | | | E-MAIL: | | FAX: | | ATTENTION: PHONE: | | | | | | | | | | | | | | | | | | | | | |
| PHONE: FAX: | | | PHONE: | | FAX: | | | | | | | | | | | | | | | | | | | | | | | |
| DATA TURNAROUND INFORMATION | | | DATA DELIVERABLE INFORMATION | | | | ANALYSIS | | | | | | | | | | | | | | | | | | | | | |
| FAX: _____ DAYS* | | | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP | | | | <div>arm metals</div> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr></table> | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | | | | | | | | | 8 | 9 | | | | | | | |
| HARD COPY: _____ DAYS* | | | <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B" | | | | | | | | | | | | | | | | | | | | | | | | | |
| EDD _____ DAYS* | | | <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" | | | | | | | | | | | | | | | | | | | | | | | | | |
| * TO BE APPROVED BY ALLIANCE | | | <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS | | | <input type="checkbox"/> EDD Format _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alliance SAMPLE ID | | | PROJECT SAMPLE IDENTIFICATION | | SAMPLE MATRIX | SAMPLE TYPE | | SAMPLE COLLECTION | | # of Bottles | PRESERVATIVES | | | | | | | | | COMMENTS | | | | | | | | |
| | | | | | | COMP | GRAB | DATE | TIME | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | <-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other | | | | | | | | |
| 1. | | | FALL 2025 | | H2O | | X | 9/9/25 | 11AM | 1 | X | | | | | | | | | | | | | | | | | |
| 2. | | | FALL 2025 | | H2O | | X | 9/9/25 | 12PM | 1 | X | | | | | | | | | | | | | | | | | |
| 3. | | | FALL 2025 | | H2O | | X | 9/9/25 | 1PM | 1 | X | | | | | | | | | | | | | | | | | |
| 4. | | | FALL 2025 | | H2O | | X | 9/9/25 | 2PM | 1 | X | | | | | | | | | | | | | | | | | |
| 5. | | | FALL 2025 | | H2O | | X | 9/9/25 | 11AM | 1 | | X | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY SAMPLER | | DATE/TIME | | RECEIVED BY | | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp 6°C MeOH extraction requires an additional 4oz. Jar for percent solid Comments: <input type="checkbox"/> Ice in Cooler? <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | 9/9/25 | | 1. <i>YJ</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | | DATE/TIME | | RECEIVED BY | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | 2. | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | | DATE/TIME | | RECEIVED FOR LAB BY | | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | 9/11/25 | | 3. <i>YJ</i> | | Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | | | | | | | | | | | | | | | | | |
| Page _____ of _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Laboratory Composite Sample log

Lab Project number: Q3063

Date: 9/11/25

Client Name: Elegant Jewelers

Client Project Name : Waste Water 2025

Instructions: Composite samples (4:1) Take 250 mL from each 500 mL into a 1-Liter

Sample Custodian: _____

[illegible]

Laboratory Certification

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