

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : WASTE WATER 2025

ELEGANT JEWELERS MFG. CO. INC.

31 West 47th Street

Suite 301

New York, NY - 10036

Phone No: 212-869-4951

ORDER ID : Q1595

ATTENTION : Sandy Petropoulos



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) Metals-AES- Case Narrative	4
2.2) Genchem- Case Narrative	5
3) Qualifier Page	6
4) QA Checklist	7
5) Metals-AES Data	8
6) Genchem Data	12
7) Shipping Document	15
7.1) CHAIN OF CUSTODY	16
7.2) Lab Certificate	18

1

2

3

4

5

6

7

Cover Page

Order ID : Q1595

Project ID : Waste Water 2025

Client : Elegant Jewelers Mfg. Co. Inc.

Lab Sample Number

Q1595-01
Q1595-02

Client Sample Number

CN-1-4-COMPOSITE
SPRING-2025

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

Signature : _____

Date: 3/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Elegant Jewelers Mfg. Co. Inc.

Project Name: Waste Water 2025

Project # N/A

Chemtech Project # Q1595

Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:

2 Water samples were received on 03/19/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Metals ICP-Group1,Mercury.

C. Analytical Techniques:

The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (SPRING-2025MS) analysis met criteria for all samples except for Silver due to matrix interference.

The Matrix Spike Duplicate (SPRING-2025MSD) analysis met criteria for all samples except for Silver due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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

Signature_____



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

CASE NARRATIVE

Elegant Jewelers Mfg. Co. Inc.

Project Name: Waste Water 2025

Project # N/A

Chemtech Project # Q1595

Test Name: Cyanide,Cyanide-Amenable

A. Number of Samples and Date of Receipt:

2 Water samples were received on 03/19/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Cyanide,Cyanide-Amenable.

C. Analytical Techniques:

The analysis of Cyanide-Amenable was based on method SM4500-CN B,G Cyanide-Amenable and The analysis of Cyanide was based on method SM4500-CN C,E.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

E. Additional Comments:

Samples were received on 03/19/2025, 10:50 and composited in the Lab on 03/19/2025, 11:40.

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

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1595

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MOHAMMAD AHMED

Date: 03/26/2025

Hit Summary Sheet
SW-846

SDG No.:	Q1595	Order ID:	Q1595
Client:	Elegant Jewelers Mfg. Co. Inc.	Project ID:	Waste Water 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SPRING-2025								
Q1595-02	SPRING-2025	Water	Chromium	6.71		0.52	5.00	ug/L
Q1595-02	SPRING-2025	Water	Copper	308		1.52	10.0	ug/L
Q1595-02	SPRING-2025	Water	Mercury	0.20	J	0.027	0.20	ug/L
Q1595-02	SPRING-2025	Water	Nickel	20.6		1.28	20.0	ug/L
Q1595-02	SPRING-2025	Water	Silver	23.4		0.83	5.00	ug/L
Q1595-02	SPRING-2025	Water	Zinc	39.2		1.44	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Elegant Jewelers Mfg. Co. Inc.	Date Collected:	03/18/25
Project:	Waste Water 2025	Date Received:	03/19/25
Client Sample ID:	SPRING-2025	SDG No.:	Q1595
Lab Sample ID:	Q1595-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-43-9	Cadmium	0.21	U	1	0.21	3.00	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7440-47-3	Chromium	6.71		1	0.52	5.00	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7440-50-8	Copper	308		1	1.52	10.0	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7439-92-1	Lead	1.57	U	1	1.57	6.00	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7439-97-6	Mercury	0.20	J	1	0.027	0.20	ug/L	03/25/25 11:54	03/25/25 12:07	E245.1	
7439-98-7	Molybdenum	5.11	U	1	5.11	100	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7440-02-0	Nickel	20.6		1	1.28	20.0	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7440-22-4	Silver	23.4	N	1	0.83	5.00	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	
7440-66-6	Zinc	39.2		1	1.44	20.0	ug/L	03/21/25 15:25	03/24/25 12:53	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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

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

LAB CHRONICLE

OrderID:	Q1595	OrderDate:	3/17/2025 3:09:00 PM
Client:	Elegant Jewelers Mfg. Co. Inc.	Project:	Waste Water 2025
Contact:	Sandy Petropoulos	Location:	I41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1595-02	SPRING-2025	Water			03/18/25			03/19/25
			Mercury	245.1		03/25/25	03/25/25	
			Metals ICP-Group1	200.7		03/21/25	03/24/25	



SAMPLE DATA

Report of Analysis

Client:	Elegant Jewelers Mfg. Co. Inc.	Date Collected:	03/19/25 11:40
Project:	Waste Water 2025	Date Received:	03/19/25
Client Sample ID:	CN-1-4-COMPOSITE	SDG No.:	Q1595
Lab Sample ID:	Q1595-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012	U	1	0.0012	0.0050	mg/L	03/20/25 10:00	03/21/25 11:29	SM 4500-CN C-16 plus E-16
Cyanide-Amenable	0.0012	U	1	0.0012	0.0050	mg/L		03/21/25 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

LAB CHRONICLE

OrderID:	Q1595	OrderDate:	3/17/2025 3:09:00 PM
Client:	Elegant Jewelers Mfg. Co. Inc.	Project:	Waste Water 2025
Contact:	Sandy Petropoulos	Location:	I41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1595-01	CN-1-4-COMPOSITE	WATER			03/19/25 11:40			03/19/25
			Cyanide	SM4500-CN C,E		03/20/25	03/21/25 11:29	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			03/21/25 00:00	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: **ELEANT**
ADDRESS: **31 W. 4th St. # 301**
CITY: **NJC** STATE: **NJ** ZIP: **10036**
ATTENTION: **SANDY**
PHONE: **212-869-4951** FAX: **212-944-8769**

PROJECT NAME: **SPRUE 2005**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **SANDY**
e-mail: **ELEANT@ELEANTON4TH.COM**
PHONE: **212-869-4951** FAX: **212-944-8769**

BILL TO: **SALE** PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. S1	SPRUE 2005	H2O		✓	3-18-25	11 AM	1	D									
2. S2	SPRUE 2005	H2O		✓	3-18-25	12 PM	1	D									
3. S3	SPRUE 2005	H2O		✓	3-18-25	1 PM	1	D									
4. S4	SPRUE 2005	H2O		✓	3-18-25	2 PM	1	D									
5. S5	SPRUE 2005	H2O		✓	3-18-25	11 AM	1	B									
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. SANDY	DATE/TIME: 3-18-25 5PM	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 5.9°C °C
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 3-19-25 1050	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of

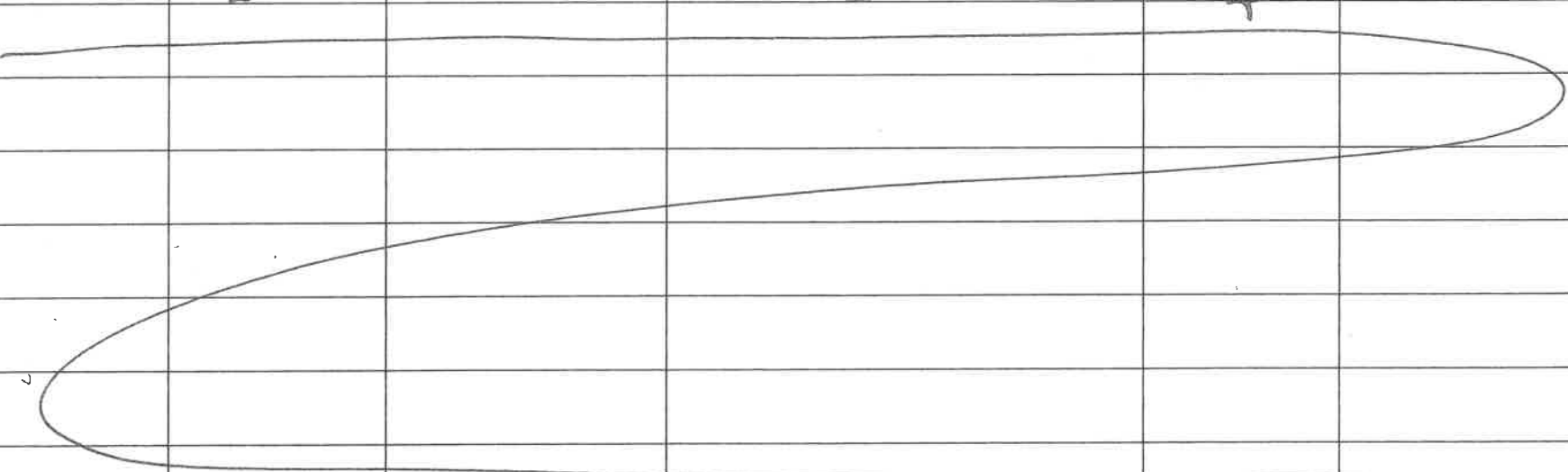
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete
☐ YES ☐ NO

7

Date: 3-19-25

Client Project Name : Spring 2025

Sample Custodian: _____

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
S1	125ml	CN-1-4-Composite	"Clear water"	1140	125ml x 4 = 500ml vol. used
S2					
S3					
S4					
					

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