

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : SEPT-23

ELEGANT JEWELERS MFG. CO. INC.

31 West 47th Street

Suite 301

New York, NY - 10036

Phone No: 212-869-4951

ORDER ID : P5297

ATTENTION : Sandy Petropoulos



Laboratory Certification ID # 20012



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Cover Page

Order ID : P5297

Project ID : SEPT-23

Client : Elegant Jewelers Mfg. Co. Inc.

Lab Sample Number

P5297-01
P5297-02

Client Sample Number

CN-1-4-COMPOSITE
SEPT-23

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: 4/28/2025

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: SEPT-23

Project # N/A

Chemtech Project # P5297

Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:

2 Water samples were received on 12/19/2024.

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 criteria for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (SEPT-23MS) analysis met criteria for all samples except for Copper, Silver and Zinc due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (SEPT-23MSD) analysis met criteria for all samples except for Copper, Silver and Zinc due to Chemical Interference during Digestion Process.

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:

The temperature of the samples at the time of receipt was 16.4°C. Lab notified this issue to the client. See the communication in shipping Document section.

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: SEPT-23

Project # N/A

Chemtech Project # P5297

Test Name: Cyanide,Cyanide-Amenable

A. Number of Samples and Date of Receipt:

2 Water samples were received on 12/19/2024.

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:

The temperature of the samples at the time of receipt was 16.4°C. Lab notified this issue to the client. See the communication in shipping Document section.

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 #: P5297

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: JATIN SATHVARA

Date: 04/28/2025

Hit Summary Sheet
SW-846

SDG No.: P5297

Order ID: P5297

Client: Elegant Jewelers Mfg. Co. Inc.

Project ID: SEPT-23

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SEPT-23								
P5297-02	SEPT-23	Water	Cadmium	0.27	J	0.21	3.00	ug/L
P5297-02	SEPT-23	Water	Chromium	14.5		0.52	5.00	ug/L
P5297-02	SEPT-23	Water	Copper	562		1.52	10.0	ug/L
P5297-02	SEPT-23	Water	Lead	2.53	J	1.57	6.00	ug/L
P5297-02	SEPT-23	Water	Mercury	0.17	J	0.022	0.20	ug/L
P5297-02	SEPT-23	Water	Nickel	24.2		1.28	20.0	ug/L
P5297-02	SEPT-23	Water	Silver	78.6		0.83	5.00	ug/L
P5297-02	SEPT-23	Water	Zinc	70.2		1.44	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Elegant Jewelers Mfg. Co. Inc.	Date Collected:	12/18/24
Project:	SEPT-23	Date Received:	12/19/24
Client Sample ID:	SEPT-23	SDG No.:	P5297
Lab Sample ID:	P5297-02	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	0.27	J	1	0.21	3.00	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7440-47-3	Chromium	14.5		1	0.52	5.00	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7440-50-8	Copper	562	N	1	1.52	10.0	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7439-92-1	Lead	2.53	J	1	1.57	6.00	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7439-97-6	Mercury	0.17	J	1	0.022	0.20	ug/L	12/27/24 10:00	12/27/24 15:11	E245.1	
7439-98-7	Molybdenum	5.11	U	1	5.11	100	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7440-02-0	Nickel	24.2		1	1.28	20.0	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7440-22-4	Silver	78.6	N	1	0.83	5.00	ug/L	12/27/24 10:05	12/27/24 15:44	EPA 200.7	
7440-66-6	Zinc	70.2	N	1	1.44	20.0	ug/L	12/27/24 10:05	12/27/24 15:44	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:	P5297	OrderDate:	12/16/2024 11:35:00 AM
Client:	Elegant Jewelers Mfg. Co. Inc.	Project:	SEPT-23
Contact:	Sandy Petropoulos	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5297-02	SEPT-23	Water			12/18/24			12/19/24
			Mercury	245.1		12/27/24	12/27/24	
			Metals ICP-Group1	200.7		12/27/24	12/27/24	



SAMPLE DATA

Report of Analysis

Client:	Elegant Jewelers Mfg. Co. Inc.	Date Collected:	12/19/24 11:50
Project:	SEPT-23	Date Received:	12/19/24
Client Sample ID:	CN-1-4-COMPOSITE	SDG No.:	P5297
Lab Sample ID:	P5297-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0017	J	1	0.0012	0.0050	mg/L	12/19/24 11:00	12/19/24 15:22	SM 4500-CN C-16 plus E-16
Cyanide-Amenable	0.0050	U	1	0.00093	0.0050	mg/L		12/19/24 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:	P5297	OrderDate:	12/16/2024 11:35:00 AM
Client:	Elegant Jewelers Mfg. Co. Inc.	Project:	SEPT-23
Contact:	Sandy Petropoulos	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5297-01	CN-1-4-COMPOSITE	WATER			12/19/24 11:50			12/19/24
			Cyanide	SM4500-CN C,E		12/19/24	12/19/24 15:22	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			12/19/24 00:00	



SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P5297**
QUOTE NO.
COC Number **2041556**

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION												
REPORT TO BE SENT TO: COMPANY: ELEGANT TOWERS			PROJECT NAME: SEPT '23			BILL TO: SAME PO#:												
ADDRESS: 31 W. 47th St. # 301			PROJECT NO.: LOCATION:			ADDRESS:												
CITY NJC STATE: NJ ZIP: 10036			PROJECT MANAGER: SANDY			CITY STATE: ZIP:												
ATTENTION: SANDY			e-mail: ELEGANT@ELEGANTON47TH.COM			ATTENTION: PHONE:												
PHONE: 212 8694951 FAX: 212 9448769			PHONE: 212 8694951 FAX:			ANALYSIS												
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION															
FAX (RUSH) _____ DAYS*			<input type="checkbox"/> Level 1 (Results Only) <input type="checkbox"/> Level 4 (QC + Full Raw Data)			<div>1 2 3 4 5 6 7 8 9</div> <div>Conc. Analysis</div>												
HARDCOPY (DATA PACKAGE): _____ DAYS*			<input type="checkbox"/> Level 2 (Results + QC) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> US EPA CLP															
EDD: _____ DAYS*			<input type="checkbox"/> Level 3 (Results + QC + Raw Data) <input type="checkbox"/> NYS ASP A <input type="checkbox"/> NYS ASP B															
*TO BE APPROVED BY CHEMTECH			<input type="checkbox"/> Other _____															
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS			<input type="checkbox"/> EDD FORMAT _____															
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		D	B	1	2	3	4	5	6	7		8
1. F1	SEPT '23	H2O		<input checked="" type="checkbox"/>	12.18.24	11 AM		D										
2. F2	SEPT '23	H2O		<input checked="" type="checkbox"/>	12.18.24	12 PM		D										
3. F3	SEPT '23	H2O		<input checked="" type="checkbox"/>	12.18.24	1 PM		D										
4. F4	SEPT '23	H2O		<input checked="" type="checkbox"/>	12.18.24	2 PM		D										
5. F5	SEPT '23	H2O		<input checked="" type="checkbox"/>	12.18.24	11 AM		B	B									
6.																		
7.																		
8.																		
9.																		
10.																		
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION 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 16.4 °C												
1. SANDY		12.18.24 5PM		1. _____		Comments: _____												
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:														
2. _____		12-19-24 9:44		2. CP														
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:														
3. FEDEx		12-19-24 9:44		3. CP														
Page _____ of _____						CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other _____						Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO						
						CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Field Sampling												

7
7.1

Date: 12-19-24

Client Project Name : SEPT-23

Sample Custodian:

1

From: Elegant Jewelers <Elegant@eleganton47th.com>
Sent: Thursday, December 19, 2024 10:29 AM
Subject: RE: Cooler Temp. out of Range - Project: SEPT-23

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Ok.....thats odd.
I put 5 cold packs in there.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, December 19, 2024 10:28 AM
To: elegantjewelers@verizon.net
Subject: Cooler Temp. out of Range - Project: SEPT-23

Hello Sandy,

I am reaching out to inform you that the samples have been received but the temp of the cooler is higher than 6.

We inform the client when the temperature is higher than range of 0-6.

Thanks.

Our office will be **CLOSED** on the following dates:

December 24th, 25th and January 1st for the Holidays

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,



Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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