

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : SEMI-ANNUAL 2025

TANAGRO CORP.

36 W 44th Street Room 1101

11th Floor

New York, NY - 10036

Phone No: 212-753-2817

ORDER ID : Q1152

ATTENTION : Marcelo Pittari



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 : Q1152

Project ID : Semi-Annual 2025

Client : Tanagro Corp.

Lab Sample Number

Q1152-01
Q1152-02

Client Sample Number

EFFLUENT-DAY-1-METALS
EFF-DAY-1-1-4CN

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: 2/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Tanagro Corp.

Project Name: Semi-Annual 2025

Project # N/A

Chemtech Project # Q1152

Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:

2 Water samples were received on 01/29/2025.

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 (EFFLUENT-DAY-1-METALSDUP) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike (EFFLUENT-DAY-1-METALSMS) analysis met criteria for all samples except for Mercury due to sample matrix interference.

The Matrix Spike Duplicate (EFFLUENT-DAY-1-METALSMSD) analysis met criteria for all samples except for Mercury due to sample 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:

As per special requirement for this project form-1 and Hit Summary are reported in mg/l.

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

Tanagro Corp.

Project Name: Semi-Annual 2025

Project # N/A

Chemtech Project # Q1152

Test Name: Cyanide,Cyanide-Amenable

A. Number of Samples and Date of Receipt:

2 Water samples were received on 01/29/2025.

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:

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 #: Q1152

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: SOHIL JODHANI

Date: 02/05/2025

Hit Summary Sheet
SW-846

SDG No.:	Q1152	Order ID:	Q1152
Client:	Tanagro Corp.	Project ID:	Semi-Annual 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFFLUENT-DAY-1-METALS								
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Cadmium	0.00040	J	0.00021	0.0030	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Chromium	0.0026	J	0.00052	0.0050	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Copper	0.24		0.0015	0.010	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Lead	0.085		0.0016	0.0060	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Mercury	0.00025		0.000022	0.00020	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Nickel	0.0059	J	0.0013	0.020	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Silver	0.049		0.00083	0.0050	mg/L
Q1152-01	EFFLUENT-DAY-1-METALS	Water	Zinc	1.03		0.0014	0.020	mg/L



SAMPLE DATA

Report of Analysis

Client:	Tanagro Corp.	Date Collected:	01/29/25
Project:	Semi-Annual 2025	Date Received:	01/29/25
Client Sample ID:	EFFLUENT-DAY-1-METALS	SDG No.:	Q1152
Lab Sample ID:	Q1152-01	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	0.00040	J	1	0.00021	0.0030	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7440-47-3	Chromium	0.0026	J	1	0.00052	0.0050	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7440-50-8	Copper	0.24		1	0.0015	0.010	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7439-92-1	Lead	0.085		1	0.0016	0.0060	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7439-97-6	Mercury	0.00025	N*	1	0.000022	0.00020	mg/L	02/05/25 13:05	02/05/25 17:44	E245.1	
7439-98-7	Molybdenum	0.0051	U	1	0.0051	0.10	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7440-02-0	Nickel	0.0059	J	1	0.0013	0.020	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7440-22-4	Silver	0.049		1	0.00083	0.0050	mg/L	01/23/25 10:15	01/30/25 12:51	EPA 200.7	
7440-66-6	Zinc	1.03		1	0.0014	0.020	mg/L	01/23/25 10:15	01/30/25 12:51	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:	Q1152	OrderDate:	1/22/2025 12:51:00 PM
Client:	Tanagro Corp.	Project:	Semi-Annual 2025
Contact:	Marcelo Pittari	Location:	N11,N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1152-01	EFFLUENT-DAY-1-MET ALS	Water			01/29/25			01/29/25
			Mercury	245.1		02/05/25	02/05/25	
			Metals ICP-Group1	200.7		01/23/25	01/30/25	



SAMPLE DATA

Report of Analysis

Client:	Tanagro Corp.	Date Collected:	01/29/25 11:36
Project:	Semi-Annual 2025	Date Received:	01/29/25
Client Sample ID:	EFF-DAY-1-1-4CN	SDG No.:	Q1152
Lab Sample ID:	Q1152-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0019	J	1	0.00093	0.0050	mg/L	01/29/25 14:00	01/30/25 14:27	SM 4500-CN C-16 plus E-16
Cyanide-Amenable	0.00093	U	1	0.00093	0.0050	mg/L		01/30/25 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:	Q1152	OrderDate:	1/22/2025 12:51:00 PM
Client:	Tanagro Corp.	Project:	Semi-Annual 2025
Contact:	Marcelo Pittari	Location:	N11,N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1152-02	EFF-DAY-1-1-4CN	WATER			01/29/25 11:36			01/29/25
			Cyanide	SM4500-CN C,E		01/29/25	01/30/25 14:27	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			01/30/25 00:00	



SHIPPING DOCUMENTS



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

Chemtech Project Number **Q1152**
COC Number

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			PROJECT INFORMATION			BILLING INFORMATION																
Report to be sent to: COMPANY: TANAGRO Jewlery Corp			PROJECT NAME: SEMI ANNUAL			BILL TO: _____ PO# _____																
ADDRESS: 36 W 49th St Room 101			PROJECT #: _____ LOCATION: _____			ADDRESS: _____																
CITY: NEW YORK STATE: NY ZIP: 10016			PROJECT MANAGER: _____			CITY: _____ STATE: _____ ZIP: _____																
ATTENTION: _____			E-MAIL: _____			ATTENTION: _____																
PHONE: _____ FAX: _____			PHONE: _____ FAX: _____			PHONE: _____																
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION			ANALYSIS																
FAX (RUSH) <u>10</u> DAYS*			<input type="checkbox"/> Level 1 (Results Only) <input type="checkbox"/> Level 4 (QC + Full Raw Data)																			
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	
						COMP GRAB		DATE TIME				1 2 3 4 5 6 7 8 9									<- Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1. EFF-DAY-1-METALS				W				1/28 9:00														
2. EFF-DAY-1-1-CN				W				1/28 9:00														
3. EFF-DAY-1-2CN				W				1/28 10:00														
4. EFF-DAY1-3CN				W				1/28 11:00														
5. EFF-DAY1-4CN				W				1/28 12:00														
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 collars at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.4°C</u>																
1.		1/28/25		1.		Comments: <u>FR Cont 1</u>																
RELINQUISHED BY		DATE/TIME		RECEIVED BY																		
2.		1-29-25		2.																		
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY																		
3.				3.																		
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																						

10/2021

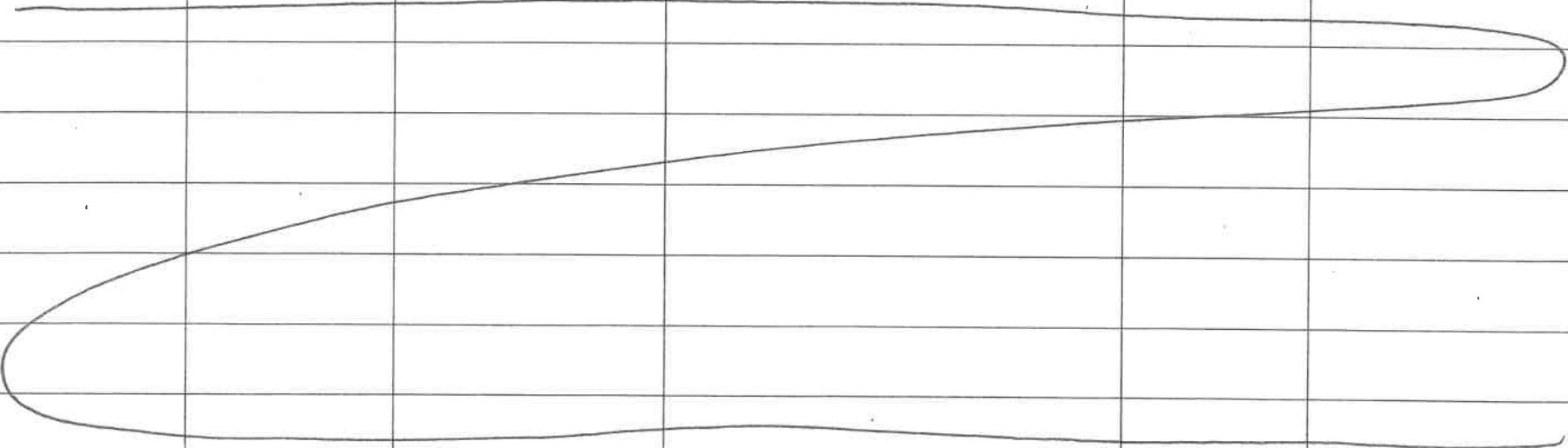
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Laboratory Composite Sample log

Chemtech Project number: Q1152Date: 1-29-25Client Name: TANAGRO JEWELRY CORP.Client Project Name: SEM. AnnualInstructions: Composite Cyanide Samples 4:1Sample Custodian: [Signature]

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
EFF-DN-1-1-CN	125ml	EFF-DN-1-1-4CN	"CLEAR WATER"	1136	125ml x 4 = 500ml
1-2-CN					
1-3-CN					
1-4-CN					
					

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