

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:	P4799	OrderDate:	11/8/2024 4:30:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4799-02	WC-TA2-02-C	SOIL			10/30/24 13:00			11/08/24
			Oil and Grease	9071B			11/13/24 09:30	
			Paint Filter	9095B			11/12/24 14:00	
			pH	9045D			11/11/24 16:40	
			TS	SM2540 B			11/13/24 11:00	
			TVS	160.4			11/13/24 15:45	
P4799-03	WC-TA2-02-C	SOIL			10/30/24 13:00			11/08/24
			Corrosivity	9045D			11/11/24 16:40	
			Ignitability	1030			11/13/24 14:55	
			Reactive Cyanide	9012B		11/11/24	11/11/24 15:36	
			Reactive Sulfide	9034		11/13/24	11/13/24 13:33	
P4799-04	WC-TA2-02-C	WATER			10/30/24 13:00			11/08/24
			ASTM Ammonia	SM4500-NH3		11/12/24	11/13/24 10:48	
			ASTM COD	SM5220 D			11/14/24 14:02	
			ASTM Oil and Grease	1664A			11/12/24 12:45	

LAB CHRONICLE

			ASTM TS	SM2540 B		11/12/24 11:00	
P4799-06	WC-TA2-03-C	SOIL			11/01/24 13:00		11/08/24
			Oil and Grease	9071B		11/13/24 09:30	
			Paint Filter	9095B		11/12/24 14:07	
			pH	9045D		11/11/24 16:42	
			TS	SM2540 B		11/13/24 11:00	
			TVS	160.4		11/13/24 15:45	
P4799-07	WC-TA2-03-C	SOIL			11/01/24 13:00		11/08/24
			Corrosivity	9045D		11/11/24 16:42	
			Ignitability	1030		11/13/24 15:10	
			Reactive Cyanide	9012B	11/11/24	11/11/24 15:28	
			Reactive Sulfide	9034	11/13/24	11/13/24 13:38	
P4799-08	WC-TA2-03-C	WATER			11/01/24 13:00		11/08/24
			ASTM Ammonia	SM4500-NH3	11/12/24	11/13/24 10:48	
			ASTM COD	SM5220 D		11/14/24 14:04	
			ASTM Oil and Grease	1664A		11/12/24 12:45	
			ASTM TS	SM2540 B		11/12/24 11:00	
P4799-10	WC-TA1-01-C	SOIL			11/04/24 13:00		11/08/24
			Oil and Grease	9071B		11/13/24 09:30	

LAB CHRONICLE

P4799-11	WC-TA1-01-C	SOIL	Paint Filter	9095B			11/12/24	
							14:15	
			pH	9045D			11/11/24	
							16:45	
			TS	SM2540 B			11/13/24	
							11:00	
			TVS	160.4			11/13/24	
							15:45	

LAB CHRONICLE

P4799-15	WC-TA1-02-C	SOIL	TVS	160.4			11/13/24 15:45	11/08/24
					11/05/24 13:00			
			Corrosivity	9045D			11/11/24 16:50	
			Ignitability	1030			11/13/24 15:25	
			Reactive Cyanide	9012B		11/11/24	11/11/24 15:36	
			Reactive Sulfide	9034		11/13/24	11/13/24 13:43	
P4799-16	WC-TA1-02-C	WATER			11/05/24 13:00			11/08/24
			ASTM Ammonia	SM4500-NH3		11/12/24	11/13/24 10:57	
			ASTM COD	SM5220 D			11/14/24 14:05	
			ASTM Oil and Grease	1664A			11/12/24 12:45	
			ASTM TS	SM2540 B			11/12/24 11:00	
P4799-18	WC-TA1-03-C	SOIL			11/06/24 13:00			11/08/24
			Oil and Grease	9071B			11/13/24 09:30	
			Paint Filter	9095B			11/12/24 14:30	
			pH	9045D			11/11/24 16:55	
			TS	SM2540 B			11/13/24 11:00	
			TVS	160.4			11/13/24 15:45	
P4799-19	WC-TA1-03-C	SOIL			11/06/24 13:00			11/08/24
			Corrosivity	9045D			11/11/24 16:55	

LAB CHRONICLE

P4799-20	WC-TA1-03-C	WATER	Ignitability	1030		11/13/24	
						15:32	
			Reactive Cyanide	9012B	11/11/24	11/11/24	
						15:43	
			Reactive Sulfide	9034	11/13/24	11/13/24	
						13:45	
					11/06/24		11/08/24
					13:00		
			ASTM Ammonia	SM4500-NH3	11/12/24	11/13/24	
						10:58	
			ASTM COD	SM5220 D		11/14/24	
						14:05	
			ASTM Oil and Grease	1664A		11/12/24	
						12:45	
			ASTM TS	SM2540 B		11/12/24	
						11:00	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-02	Matrix:	SOIL
		% Solid:	82.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	680		1	3.95	30.4	mg/Kg		11/13/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/12/24 14:00	9095B
pH	11.7	H	1	0	0	pH		11/11/24 16:40	9045D
TS	82.7	H	1	1.00	5.00	%		11/13/24 11:00	SM 2540 B-15
TVS	3.60	HJ	1	1.00	10.0	%		11/13/24 15:45	160.4

Comments: pH result reported at temperature 24.2 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.7	H	1	0	0	pH		11/11/24 16:40	9045D
Ignitability	NO		1	0	0	oC		11/13/24 14:55	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	11/11/24 12:00	11/11/24 15:36	9012B
Reactive Sulfide	4.74	HJ	1	0.19	10.0	mg/Kg	11/13/24 09:15	11/13/24 13:33	9034

Comments: pH result reported at temperature 24.2 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.66		1	0.045	0.10	mg/L	11/12/24 11:45	11/13/24 10:48	SM 4500-NH3 B plus NH3 G-11
ASTM COD	28.2		1	2.35	10.0	mg/L		11/14/24 14:02	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/12/24 12:45	SW1664A
ASTM TS	782		1	1.00	5.00	mg/L		11/12/24 11:00	SM 2540 B-15

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/01/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-06	Matrix:	SOIL
		% Solid:	81.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	147		1	3.99	30.7	mg/Kg		11/13/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/12/24 14:07	9095B
pH	11.9	H	1	0	0	pH		11/11/24 16:42	9045D
TS	81.9	H	1	1.00	5.00	%		11/13/24 11:00	SM 2540 B-15
TVS	3.10	HJ	1	1.00	10.0	%		11/13/24 15:45	160.4

Comments: pH result reported at temperature 24.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/01/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.9	H	1	0	0	pH		11/11/24 16:42	9045D
Ignitability	NO		1	0	0	oC		11/13/24 15:10	1030
Reactive Cyanide	0.0088	U	1	0.0088	0.050	mg/Kg	11/11/24 12:00	11/11/24 15:28	9012B
Reactive Sulfide	6.37	J	1	0.19	10.0	mg/Kg	11/13/24 09:15	11/13/24 13:38	9034

Comments: pH result reported at temperature 24.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/01/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.45		1	0.045	0.10	mg/L	11/12/24 11:45	11/13/24 10:48	SM 4500-NH3 B plus NH3 G-11
ASTM COD	16.2		1	2.35	10.0	mg/L		11/14/24 14:04	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/12/24 12:45	SW1664A
ASTM TS	791		1	1.00	5.00	mg/L		11/12/24 11:00	SM 2540 B-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/04/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-01-C	SDG No.:	P4799
Lab Sample ID:	P4799-10	Matrix:	SOIL
		% Solid:	84.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	3830		1	3.85	29.6	mg/Kg		11/13/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/12/24 14:15	9095B
pH	12.0	H	1	0	0	pH		11/11/24 16:45	9045D
TS	83.9	H	1	1.00	5.00	%		11/13/24 11:00	SM 2540 B-15
TVS	3.40	HJ	1	1.00	10.0	%		11/13/24 15:45	160.4

Comments: pH result reported at temperature 24.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/04/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-01-C	SDG No.:	P4799
Lab Sample ID:	P4799-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.0	H	1	0	0	pH		11/11/24 16:45	9045D
Ignitability	NO		1	0	0	oC		11/13/24 15:17	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	11/11/24 12:00	11/11/24 15:36	9012B
Reactive Sulfide	1.59	J	1	0.19	10.0	mg/Kg	11/13/24 09:15	11/13/24 13:40	9034

Comments: pH result reported at temperature 24.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/04/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-01-C	SDG No.:	P4799
Lab Sample ID:	P4799-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.20		1	0.045	0.10	mg/L	11/12/24 11:45	11/13/24 10:48	SM 4500-NH3 B plus NH3 G-11
ASTM COD	28.2		1	2.35	10.0	mg/L		11/14/24 14:04	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/12/24 12:45	SW1664A
ASTM TS	799		1	1.00	5.00	mg/L		11/12/24 11:00	SM 2540 B-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-14	Matrix:	SOIL
		% Solid:	83.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	3070		1	3.91	30.0	mg/Kg		11/13/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/12/24 14:22	9095B
pH	12.0	H	1	0	0	pH		11/11/24 16:50	9045D
TS	83.3	H	1	1.00	5.00	%		11/13/24 11:00	SM 2540 B-15
TVS	3.10	HJ	1	1.00	10.0	%		11/13/24 15:45	160.4

Comments: pH result reported at temperature 24.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-15	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.0	H	1	0	0	pH		11/11/24 16:50	9045D
Ignitability	NO		1	0	0	oC		11/13/24 15:25	1030
Reactive Cyanide	0.0088	U	1	0.0088	0.050	mg/Kg	11/11/24 12:00	11/11/24 15:36	9012B
Reactive Sulfide	1.59	J	1	0.19	10.0	mg/Kg	11/13/24 09:15	11/13/24 13:43	9034

Comments: pH result reported at temperature 24.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-02-C	SDG No.:	P4799
Lab Sample ID:	P4799-16	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.13		1	0.045	0.10	mg/L	11/12/24 11:45	11/13/24 10:57	SM 4500-NH3 B plus NH3 G-11
ASTM COD	24.2		1	2.35	10.0	mg/L		11/14/24 14:05	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/12/24 12:45	SW1664A
ASTM TS	901		1	1.00	5.00	mg/L		11/12/24 11:00	SM 2540 B-15

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/06/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-18	Matrix:	SOIL
		% Solid:	81.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	1870		1	3.97	30.5	mg/Kg		11/13/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/12/24 14:30	9095B
pH	12.3	H	1	0	0	pH		11/11/24 16:55	9045D
TS	82.0		1	1.00	5.00	%		11/13/24 11:00	SM 2540 B-15
TVS	4.10	HJ	1	1.00	10.0	%		11/13/24 15:45	160.4

Comments: pH result reported at temperature 24.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/06/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-19	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	12.3	H	1	0	0	pH		11/11/24 16:55	9045D
Ignitability	NO		1	0	0	oC		11/13/24 15:32	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	11/11/24 12:00	11/11/24 15:43	9012B
Reactive Sulfide	4.76	J	1	0.19	10.0	mg/Kg	11/13/24 09:15	11/13/24 13:45	9034

Comments: pH result reported at temperature 24.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/06/24 13:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-03-C	SDG No.:	P4799
Lab Sample ID:	P4799-20	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.16		1	0.045	0.10	mg/L	11/12/24 11:45	11/13/24 10:58	SM 4500-NH3 B plus NH3 G-11
ASTM COD	25.2		1	2.35	10.0	mg/L		11/14/24 14:05	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/12/24 12:45	SW1664A
ASTM TS	760		1	1.00	5.00	mg/L		11/12/24 11:00	SM 2540 B-15

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



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

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133397

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	6.98	7	100	90-110	11/11/2024
Sample ID: Corrosivity	CCV1	pH	2.02	2.00	101	90-110	11/11/2024
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	11/11/2024
Sample ID: Corrosivity	CCV3	pH	2.02	2.00	101	90-110	11/11/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133398

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	6.98	7	100	90-110	11/11/2024
Sample ID:	CCV1						
pH		pH	2.02	2.00	101	90-110	11/11/2024
Sample ID:	CCV2						
pH		pH	12.01	12.00	100	90-110	11/11/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133401

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.097	0.099	98	85-115	11/11/2024
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/11/2024
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/11/2024
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/11/2024
Sample ID: CCV4 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	11/11/2024
Sample ID: CCV5 Reactive Cyanide	mg/L	0.27	0.25	108	90-110	11/11/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133425

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 ASTM Ammonia	mg/L	0.98	1	98	90-110	11/13/2024
Sample ID: CCV1 ASTM Ammonia	mg/L	1	1	100	90-110	11/13/2024
Sample ID: CCV2 ASTM Ammonia	mg/L	1	1	100	90-110	11/13/2024
Sample ID: CCV3 ASTM Ammonia	mg/L	1	1	100	90-110	11/13/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133460

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
ASTM COD		mg/L	51.341	50	103	95-105	10/14/2024
Sample ID:	CCV1						
ASTM COD		mg/L	50.336	50	101	95-105	11/14/2024
Sample ID:	CCV2						
ASTM COD		mg/L	50.336	50	101	95-105	11/14/2024

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133401

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024
Sample ID: CCB4 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024
Sample ID: CCB5 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/11/2024

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133425

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/13/2024
Sample ID: CCB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/13/2024
Sample ID: CCB2 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/13/2024
Sample ID: CCB3 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/13/2024

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133460

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10	10/14/2024
Sample ID: CCB1 ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10	11/14/2024
Sample ID: CCB2 ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10	11/14/2024

Preparation Blank Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133404BL ASTM Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	11/12/2024
Sample ID: LB133405BL ASTM TS	mg/L	1	2.5000	J	1	5	11/12/2024
Sample ID: LB133422BL Oil and Grease	mg/Kg	5	12.5000	J	3.25	25	11/13/2024
Sample ID: LB133449BL TS	%	< 2.5000	2.5000	U	1	5	11/13/2024
Sample ID: LB133450BL TVS	%	< 5.0000	5.0000	U	1	10	11/13/2024
Sample ID: LB133460BL ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10.0	11/14/2024
Sample ID: PB164883BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	11/11/2024
Sample ID: PB164888BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	11/13/2024
Sample ID: PB164917BL ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/13/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-04
Client ID:	WC-TA2-02-CMS	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
ASTM Ammonia	mg/L	75-125	1.50		0.66		1	1	84		11/13/2024
ASTM COD	mg/L	75-125	74.5		28.2		50.0	1	93		11/14/2024
ASTM Oil and Grease	mg/L	78-114	20.3		0.40	U	20.0	1	102		11/12/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-04
Client ID:	WC-TA2-02-CMSD	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
ASTM Oil and Grease	mg/L	78-114	20.4		0.40	U	20.0	1	102		11/12/2024
ASTM COD	mg/L	75-125	76.5		28.2		50.0	1	97		11/14/2024
ASTM Ammonia	mg/L	75-125	1.50		0.66		1	1	84		11/13/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-18
Client ID:	WC-TA1-03-CMS	Percent Solids for Spike Sample:	81.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	1820		1870		122	1	-44	*	11/13/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-18
Client ID:	WC-TA1-03-CMSD	Percent Solids for Spike Sample:	81.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	1810		1870		122	1	-54	*	11/13/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4771-05
Client ID:	P-1DUP	Percent Solids for Spike Sample:	94.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TS	%	+/-5	94.9		94.9		1	0		11/13/2024
TVS	%	+/-5	1.00	U	1.00	U	1	0		11/13/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-02
Client ID:	WC-TA2-02-CDUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	11.7		11.7		1	0.09		11/11/2024

Duplicate Sample Summary

Client: ENTACT	SDG No.: P4799
Project: 540 Degraw St, Brooklyn, NY - E9309	Sample ID: P4799-03
Client ID: WC-TA2-02-CDUP	Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	11.7		11.7		1	0.09		11/11/2024
Reactive Cyanide	mg/Kg	+/-20	0.0087	U	0.0087	U	1	0		11/11/2024
Ignitability	oC	+/-20	NO		NO		1	0		11/13/2024
Reactive Sulfide	mg/Kg	+/-20	4.74	J	4.74	J	1	0		11/13/2024

Duplicate Sample Summary

Client: ENTACT	SDG No.: P4799
Project: 540 Degraw St, Brooklyn, NY - E9309	Sample ID: P4799-04
Client ID: WC-TA2-02-CDUP	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
ASTM Oil and Grease	mg/L	+/-18	0.40	U	0.40	U	1	0		11/12/2024
ASTM TS	mg/L	+/-5	782		793		1	1.4		11/12/2024
ASTM Ammonia	mg/L	+/-20	0.66		0.67		1	2		11/13/2024
ASTM COD	mg/L	+/-20	28.2		26.2		1	7.35		11/14/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-04
Client ID:	WC-TA2-02-CMSD	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
ASTM Oil and Grease	mg/L	+/-18	20.3		20.4		1	0.49		11/12/2024
ASTM Ammonia	mg/L	+/-20	1.50		1.50		1	0		11/13/2024
ASTM COD	mg/L	+/-20	74.5		76.5		1	2.65		11/14/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-18
Client ID:	WC-TA1-03-CDUP	Percent Solids for Spike Sample:	81.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	1870		1880		1	0.42		11/13/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4799
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4799-18
Client ID:	WC-TA1-03-CMSD	Percent Solids for Spike Sample:	81.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	1820		1810		1	0.62		11/13/2024

Duplicate Sample Summary

Client: ENTACT Project: 540 Degraw St, Brooklyn, NY - E9309 Client ID: 331DUP	SDG No.: P4799 Sample ID: P4816-01 Percent Solids for Spike Sample: 97.3
--	---

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/12/2024

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB133404

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133404BS							
ASTM Oil and Grease	mg/L	20.0	16.7		84	1	78-114	11/12/2024

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB133422

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133422BS							
Oil and Grease	mg/Kg	100	94.9		95	1	80-120	11/13/2024

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB133460

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133460BS							
ASTM COD	mg/L	50	49.3		99	1	90-110	11/14/2024

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: P4799

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB133425

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164917BS							
ASTM Ammonia	mg/L	1	1.00		100	1	90-110	11/13/2024



RAW DATA

Analytical Summary Report

Analysis Method: 9045D

Analyst By : jignesh

Parameter: Corrosivity

Supervisor Review By : Iwona

Run Number: LB133397

Slope : 98.5

BalanceID: WC SC-4

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3107
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER, COLOR CD 475ML	W3094
buffer solution pH 7 yellow	W3071
Buffer Solution, PH2 (500ml)	W3005
Buffer Solution, PH12 (500ml)	W3072

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.1].

True Value of CCV2 = 12.00 Control Limits[+/- 0.1].

True Value of CCV3 = 2.00 Control Limits[+/- 0.1].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.3	4.01	11/11/2024	16:25
2	CAL2	1	Water	NA	NA	20.3	7.00	11/11/2024	16:26
3	CAL3	1	Water	NA	NA	20.2	10.02	11/11/2024	16:27
4	ICV	1	Water	NA	NA	20.3	6.98	11/11/2024	16:30
5	CCV1	1	Water	NA	NA	20.3	2.02	11/11/2024	16:35
6	P4799-03	1	Solid	20.02	20	24.2	11.67	11/11/2024	16:40
7	P4799-03DUP	1	Solid	20.03	20	24.3	11.68	11/11/2024	16:41
8	P4799-07	1	Solid	20.02	20	24.3	11.91	11/11/2024	16:42
9	P4799-11	1	Solid	20.03	20	24.4	12.04	11/11/2024	16:45
10	P4799-15	1	Solid	20.02	20	24.3	12.03	11/11/2024	16:50
11	P4799-19	1	Solid	20.03	20	24.4	12.27	11/11/2024	16:55
12	P4807-04	1	Solid	20.02	20	25.3	8.10	11/11/2024	17:05
13	P4807-08	1	Solid	20.03	20	24.8	9.30	11/11/2024	17:10
14	P4807-12	1	Solid	20.04	20	24.8	8.98	11/11/2024	17:15
15	P4807-16	1	Solid	20.02	20	24.5	9.27	11/11/2024	17:22
16	CCV2	1	Water	NA	NA	20.3	12.02	11/11/2024	17:25
17	P4809-04	1	Solid	20.04	20	24.7	9.51	11/11/2024	17:30
18	P4813-02	1	Solid	20.02	20	24.5	6.18	11/11/2024	17:33
19	P4813-03	1	Solid	20.03	20	23.5	6.20	11/11/2024	17:35
20	P4813-05	1	Solid	20.02	20	23.7	5.95	11/11/2024	17:40

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	An
21	CCV3	1	Water	NA	NA	20.3	2.02	11/11/2024	17:41

WORKLIST(Hardcopy Internal Chain)

133397

WorkList Name : corrosivity p4807

WorkList ID : 185332

Department : Wet-Chemistry

Date : 11-11-2024 12:39:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-03	WC-TA2-02-C	Solid	Corrosivity	Cool 4 deg C	ENTAO5	L31	10/30/2024	9045D
P4799-07	WC-TA2-03-C	Solid	Corrosivity	Cool 4 deg C	ENTAO5	L31	11/01/2024	9045D
P4799-11	WC-TA1-01-C	Solid	Corrosivity	Cool 4 deg C	ENTAO5	L31	11/04/2024	9045D
P4799-15	WC-TA1-02-C	Solid	Corrosivity	Cool 4 deg C	ENTAO5	L31	11/05/2024	9045D
P4799-19	WC-TA1-03-C	Solid	Corrosivity	Cool 4 deg C	ENTAO5	L31	11/06/2024	9045D
P4807-04	TP-7	Solid	Corrosivity	Cool 4 deg C	PSEG03	L21	11/09/2024	9045D
P4807-08	BF-F14	Solid	Corrosivity	Cool 4 deg C	PSEG03	L21	11/09/2024	9045D
P4807-12	BF-F13	Solid	Corrosivity	Cool 4 deg C	PSEG03	L21	11/09/2024	9045D
P4807-16	TP-6	Solid	Corrosivity	Cool 4 deg C	PSEG03	L21	11/09/2024	9045D
P4809-04	MH-5	Solid	Corrosivity	Cool 4 deg C	PSEG03	L41	11/11/2024	9045D
P4813-02	417	Solid	Corrosivity	Cool 4 deg C	PSEG03	L31	11/11/2024	9045D
P4813-03	418	Solid	Corrosivity	Cool 4 deg C	PSEG03	L31	11/11/2024	9045D
P4813-05	420	Solid	Corrosivity	Cool 4 deg C	PSEG03	L31	11/11/2024	9045D

Date/Time 11-11-24 16:10
Raw Sample Received by: JH CWC
Raw Sample Relinquished by: RJ CWC-1000

Date/Time 11-11-24 18:30
Raw Sample Received by: RJ CWC-1000
Raw Sample Relinquished by: JH CWC

Analytical Summary Report

Analysis Method: 9045D

Analyst By : jignesh

Parameter: pH

Supervisor Review By : Iwona

Run Number: LB133398

Slope : 98.5

BalanceID: WC SC-4

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3107
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER, COLOR CD 475ML	W3094
buffer solution pH 7 yellow	W3071
Buffer Solution, PH2 (500ml)	W3005
Buffer Solution, PH12 (500ml)	W3072

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.1].

True Value of CCV2 = 12.00 Control Limits[+/- 0.1].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.3	4.01	11/11/2024	16:25
2	CAL2	1	Water	NA	NA	20.3	7.00	11/11/2024	16:26
3	CAL3	1	Water	NA	NA	20.2	10.02	11/11/2024	16:27
4	ICV	1	Water	NA	NA	20.3	6.98	11/11/2024	16:30
5	CCV1	1	Water	NA	NA	20.3	2.02	11/11/2024	16:35
6	P4799-02	1	Solid	20.02	20	24.2	11.67	11/11/2024	16:40
7	P4799-02DUP	1	Solid	20.03	20	24.3	11.68	11/11/2024	16:41
8	P4799-06	1	Solid	20.02	20	24.3	11.91	11/11/2024	16:42
9	P4799-10	1	Solid	20.03	20	24.4	12.04	11/11/2024	16:45
10	P4799-14	1	Solid	20.02	20	24.3	12.03	11/11/2024	16:50
11	P4799-18	1	Solid	20.03	20	24.4	12.27	11/11/2024	16:55
12	CCV2	1	Water	NA	NA	20.3	12.01	11/11/2024	17:00

WORKLIST(Hardcopy Internal Chain)

VB133398

WorkList Name : ph s p4799

WorkList ID : 185340

Department : Wet-Chemistry

Date : 11-11-2024 16:29:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-02	WC-TA2-02-C	Solid	pH	Cool 4 deg C	ENTA05	L31	10/30/2024	9045D
P4799-06	WC-TA2-03-C	Solid	pH	Cool 4 deg C	ENTA05	L31	11/01/2024	9045D
P4799-10	WC-TA1-01-C	Solid	pH	Cool 4 deg C	ENTA05	L31	11/04/2024	9045D
P4799-14	WC-TA1-02-C	Solid	pH	Cool 4 deg C	ENTA05	L31	11/05/2024	9045D
P4799-18	WC-TA1-03-C	Solid	pH	Cool 4 deg C	ENTA05	L31	11/06/2024	9045D

Date/Time 11-11-24 16:10
Raw Sample Received by: JO WEL
Raw Sample Relinquished by: RJ (EST-1060)

Date/Time 11-11-24
Raw Sample Received by: RJ (EST-1060)
Raw Sample Relinquished by: JO WEL

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : NF Instrument ID : Konelab

11/11/2024 15:59

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	97.035	0.0	0.075	
ICB1	0.105	0.0	0.002	
CCV1	248.286	0.0	0.191	
CCB1	0.180	0.0	0.002	
PB164810BL	0.152	0.0	0.002	
P4738-02	-0.136	0.0	0.002	
P4738-02DUP	0.087	0.0	0.002	
P4739-04	0.319	0.0	0.002	
P4739-08	0.180	0.0	0.002	
P4739-12	-0.248	0.0	0.001	
P4739-16	0.192	0.0	0.002	
P4756-04	-0.360	0.0	0.001	
P4771-06	-0.226	0.0	0.002	
P4771-08	-0.048	0.0	0.002	
CCV2	252.978	0.0	0.194	
CCB2	-0.417	0.0	0.001	
P4788-04	0.760	0.0	0.002	
P4789-04	-0.399	0.0	0.001	
P4791-01	-0.146	0.0	0.002	
P4792-01	-0.311	0.0	0.001	
P4792-06	-0.621	0.0	0.001	
P4793-02	0.124	0.0	0.002	
P4795-02	-0.098	0.0	0.002	
P4798-04	-0.198	0.0	0.002	
PB164883BL	-0.096	0.0	0.002	
P4799-07	0.338	0.0	0.002	
CCV3	248.158	0.0	0.190	
CCB3	0.239	0.0	0.002	
P4799-03	0.606	0.0	0.002	
P4799-03DUP	0.444	0.0	0.002	
P4799-11	-0.265	0.0	0.001	
P4799-15	0.568	0.0	0.002	
P4807-04	0.122	0.0	0.002	
P4807-08	0.426	0.0	0.002	
P4807-12	0.072	0.0	0.002	
P4807-16	0.512	0.0	0.002	
P4799-19	0.098	0.0	0.002	
PB164882BL	0.123	0.0	0.002	
CCV4	255.476	0.0	0.196	
CCB4	0.167	0.0	0.002	
P4791-02	0.850	0.0	0.002	
P4791-02DUP	0.389	0.0	0.002	
P4792-04	-0.049	0.0	0.002	
CCV5	268.539	0.0	0.206	
CCB5	0.844	0.0	0.002	
N	45			
Mean	30.550			
SD	81.4680			
CV%	266.67			

NF
11.11.2024

Aquakem v. 7.2AQ1

Results from time period:

Mon Nov 11 15:13:39 2024

Mon Nov 11 15:47:49 2024

Sample Id	Sam/Ctr/c	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	-0.1072	µg/l	11/11/2024 11:56:31	
5.0PPBCN	A	Total CN	P	4.4814	µg/l	11/11/2024 11:56:32	
10PPBCN	A	Total CN	P	9.8012	µg/l	11/11/2024 11:56:33	
50PPBCN	A	Total CN	P	49.0713	µg/l	11/11/2024 11:56:34	
100PPBCN	A	Total CN	P	100.1423	µg/l	11/11/2024 11:56:35	
250PPBCN	A	Total CN	P	253.0749	µg/l	11/11/2024 11:56:36	
500PPBCN	A	Total CN	P	498.5361	µg/l	11/11/2024 11:56:37	
ICV1	S	Total CN	P	97.0354	µg/l	11/11/2024 15:13:40	
ICB1	S	Total CN	P	0.1048	µg/l	11/11/2024 15:13:42	
CCV1	S	Total CN	P	248.2862	µg/l	11/11/2024 15:13:44	
CCB1	S	Total CN	P	0.18	µg/l	11/11/2024 15:13:45	
PB164810BL	S	Total CN	P	0.1516	µg/l	11/11/2024 15:13:48	
P4738-02	S	Total CN	P	-0.1358	µg/l	11/11/2024 15:13:49	
P4738-02DUP	S	Total CN	P	0.0871	µg/l	11/11/2024 15:21:14	
P4739-04	S	Total CN	P	0.319	µg/l	11/11/2024 15:21:15	
P4739-08	S	Total CN	P	0.1797	µg/l	11/11/2024 15:21:16	
P4739-12	S	Total CN	P	-0.2483	µg/l	11/11/2024 15:21:17	
P4739-16	S	Total CN	P	0.1916	µg/l	11/11/2024 15:21:18	
P4756-04	S	Total CN	P	-0.3597	µg/l	11/11/2024 15:21:19	
P4771-06	S	Total CN	P	-0.2264	µg/l	11/11/2024 15:21:20	
P4771-08	S	Total CN	P	-0.0483	µg/l	11/11/2024 15:21:21	
CCV2	S	Total CN	P	252.9779	µg/l	11/11/2024 15:21:24	
CCB2	S	Total CN	P	-0.417	µg/l	11/11/2024 15:28:49	
P4788-04	S	Total CN	P	0.76	µg/l	11/11/2024 15:28:50	
P4789-04	S	Total CN	P	-0.3993	µg/l	11/11/2024 15:28:51	
P4791-01	S	Total CN	P	-0.1456	µg/l	11/11/2024 15:28:52	
P4792-01	S	Total CN	P	-0.3109	µg/l	11/11/2024 15:28:53	
P4792-06	S	Total CN	P	-0.6207	µg/l	11/11/2024 15:28:54	
P4793-02	S	Total CN	P	0.1235	µg/l	11/11/2024 15:28:55	
P4795-02	S	Total CN	P	-0.098	µg/l	11/11/2024 15:28:56	
P4798-04	S	Total CN	P	-0.1976	µg/l	11/11/2024 15:28:57	
PB164883BL	S	Total CN	P	-0.0964	µg/l	11/11/2024 15:28:58	
P4799-07	S	Total CN	P	0.3375	µg/l	11/11/2024 15:28:59	
CCV3	S	Total CN	P	248.1583	µg/l	11/11/2024 15:36:23	
CCB3	S	Total CN	P	0.2385	µg/l	11/11/2024 15:36:24	
P4799-03	S	Total CN	P	0.6059	µg/l	11/11/2024 15:36:25	
P4799-03DUP	S	Total CN	P	0.4437	µg/l	11/11/2024 15:36:26	
P4799-11	S	Total CN	P	-0.2649	µg/l	11/11/2024 15:36:27	
P4799-15	S	Total CN	P	0.5679	µg/l	11/11/2024 15:36:28	

P4807-04	S	Total CN	P	0.1217 µg/l	11/11/2024 15:36:30
P4807-08	S	Total CN	P	0.4263 µg/l	11/11/2024 15:36:31
P4807-12	S	Total CN	P	0.0716 µg/l	11/11/2024 15:43:56
P4807-16	S	Total CN	P	0.512 µg/l	11/11/2024 15:43:57
P4799-19	S	Total CN	P	0.0981 µg/l	11/11/2024 15:43:58
PB164882BL	S	Total CN	P	0.1228 µg/l	11/11/2024 15:43:59
CCV4	S	Total CN	P	255.4756 µg/l	11/11/2024 15:44:01
CCB4	S	Total CN	P	0.1675 µg/l	11/11/2024 15:44:02
P4791-02	S	Total CN	P	0.85 µg/l	11/11/2024 15:44:03
P4791-02DUP	S	Total CN	P	0.3893 µg/l	11/11/2024 15:44:04
P4792-04	S	Total CN	P	-0.049 µg/l	11/11/2024 15:44:05
CCV5	S	Total CN	P	268.5385 µg/l	11/11/2024 15:47:48
CCB5	S	Total CN	P	0.8438 µg/l	11/11/2024 15:47:49

Calibration results Aquakem 7.2AQ1 Page:

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

11/11/2024 11:56 Reviewed by : NF Instrument ID : Konelab

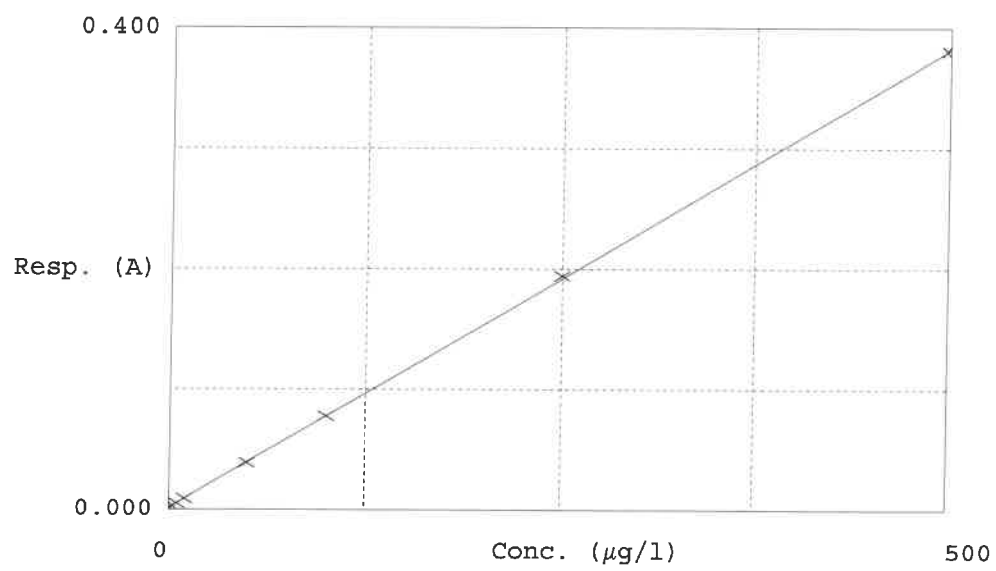
Test Total CN

Accepted 11/11/2024 11:56

Factor 1315
Bias 0.002

Coeff. of det. 0.999938

Errors



	Calibrator	Response	Calc. con.	Conc.	<i>Re</i> Errors
1	0.0PPBCN	0.002	-0.1072	0.0000	
2	5.0PPBCN	0.005	4.4814	5.0000	-10.4
3	10PPBCN	0.009	9.8012	10.0000	-2.0
4	50PPBCN	0.039	49.0713	50.0000	-1.9
5	100PPBCN	0.078	100.1423	100.0000	0.1
6	250PPBCN	0.194	253.0749	250.0000	1.2
7	500PPBCN	0.381	498.5361	500.0000	-0.3

NF
11.11.2024

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: ASTM Oil and Grease
Run Number: LB133404
Analysis Date: 11/12/2024
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 11/12/2024
Extraction IN Time: 12:10
Extraction OUT Time: 12:30
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Weight (g)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB133404BL	LB133404BL	WATER	1.3	1000	100	2.8986	2.8986	0	2.8987	2.8987	0.0001	0.1
2	LB133404BS	LB133404BS	WATER	1.3	1000	100	3.1474	3.1474	0	3.1641	3.1641	0.0167	16.7
3	P4799-04	WC-TA2-02-C	WATER	1.3	1000	100	2.8563	2.8563	0	2.8566	2.8566	0.0003	0.3
4	P4799-04DUP	WC-TA2-02-CDUP	WATER	1.3	1000	100	2.9036	2.9036	0	2.9038	2.9038	0.0002	0.2
5	P4799-04MS	WC-TA2-02-C	WATER	1.3	1000	100	2.8574	2.8574	0	2.8777	2.8777	0.0203	20.3
6	P4799-04MSD	WC-TA2-02-C	WATER	1.3	1000	100	3.0152	3.0152	0	3.0356	3.0356	0.0204	20.4
7	P4799-08	WC-TA2-03-C	WATER	1.3	1000	100	2.9706	2.9706	0	2.9709	2.9709	0.0003	0.3
8	P4799-12	WC-TA1-01-C	WATER	1.3	1000	100	3.1483	3.1483	0	3.1485	3.1485	0.0002	0.2
9	P4799-16	WC-TA1-02-C	WATER	1.3	1000	100	2.6017	2.6017	0	2.6019	2.6019	0.0002	0.2
10	P4799-20	WC-TA1-03-C	WATER	1.3	1000	100	3.1687	3.1687	0	3.1690	3.1690	0.0003	0.3

Out Time2: 15:00

WORKLIST(Hardcopy Internal Chain)

133404

WorkList Name : astm oil & grease p4799

WorkList ID : 185360

Department : Wet-Chemistry

Date : 11-12-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-04	WC-TA2-02-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	10/30/2024	1664A
P4799-08	WC-TA2-03-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	11/01/2024	1664A
P4799-12	WC-TA1-01-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	11/04/2024	1664A
P4799-16	WC-TA1-02-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	11/05/2024	1664A
P4799-20	WC-TA1-03-C	Solid	ASTM Oil and Grease	Cool 4 deg C	ENTA05	L31	11/06/2024	1664A

Date/Time 11-12-24 12:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11-12-24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 11/12/2024

Run Number: LB133405

BalanceID: WC SC-6

OvenID: WC OVEN-1

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 11/12/2024 11:00 **TEMP1 OUT:** 103 °C 11/12/2024 12:00
TEMP2 IN: 104 °C 11/12/2024 12:30 **TEMP2 OUT:** 104 °C 11/12/2024 13:30
TEMP3 IN: 104 °C 11/12/2024 14:30 **TEMP3 OUT:** 103 °C 11/13/2024 07:30
TEMP4 IN: 104 °C 11/13/2024 08:00 **TEMP4 OUT:** 104 °C 11/13/2024 09:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	Original weight 1st Dish+Sample weight after Drying @103-@105°C (g)	Constant weight 2nd Dish+Sample weight after Drying @103-@105°C (g)	Final Constant weight Final Dish+Sample weight after Drying @103-@105°C (g)	Weight (g)	Result (mg/L)
1	LB133405BL	LB133405BL	85.9636	85.9636	100	85.9637	85.9637	85.9637	0.0001	1
2	P4799-04	WC-TA2-02-C	91.0585	91.0585	100	91.1367	91.1367	91.1367	0.0782	782
3	P4799-04DUP	WC-TA2-02-CDUP	110.2237	110.2237	100	110.3030	110.3030	110.3030	0.0793	793
4	P4799-08	WC-TA2-03-C	85.1097	85.1097	100	85.1888	85.1888	85.1888	0.0791	791
5	P4799-12	WC-TA1-01-C	91.5755	91.5755	100	91.6554	91.6554	91.6554	0.0799	799
6	P4799-16	WC-TA1-02-C	90.2843	90.2843	100	90.3744	90.3744	90.3744	0.0901	901
7	P4799-20	WC-TA1-03-C	85.4624	85.4624	100	85.5384	85.5384	85.5384	0.0760	760

A = Sample Volume (ml)

B = Final Empty Dish Weight (g)

C = Final Dish+Sample weight after Drying @103-@105°C (g)

$$\text{Result mg/L} = ((C - B) / A) * 1000 * 1000$$

WORKLIST(Hardcopy Internal Chain)

133405

WorkList Name : astm ts p4799

WorkList ID : 185361

Department : Wet-Chemistry

Date : 11-12-2024 11:33:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-04	WC-TA2-02-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	10/30/2024	SM2540 B
P4799-08	WC-TA2-03-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	11/01/2024	SM2540 B
P4799-12	WC-TA1-01-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	11/04/2024	SM2540 B
P4799-16	WC-TA1-02-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	11/05/2024	SM2540 B
P4799-20	WC-TA1-03-C	Solid	ASTM TS	Cool 4 deg C	ENTA05	L31	11/06/2024	SM2540 B

Date/Time 11-12-24 12:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11-12-24 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Analytical Summary Report

Analysis Method: 9095B
Parameter: Paint Filter
Run Number: LB133412

Reviewed By: rubina
Supervisor Review By: Iwona
BalanceID: WC SC-4

Seq	LabID	ClientID	Dilution	Weight(g)	Inst.Conc (ml/100g)	Anal Date	Anal Time
1	P4799-02	WC-TA2-02-C	1	100.03	0.00	11/12/2024	14:00
2	P4799-06	WC-TA2-03-C	1	100.05	0.00	11/12/2024	14:07
3	P4799-10	WC-TA1-01-C	1	100.07	0.00	11/12/2024	14:15
4	P4799-14	WC-TA1-02-C	1	100.02	0.00	11/12/2024	14:22
5	P4799-18	WC-TA1-03-C	1	100.05	0.00	11/12/2024	14:30
6	P4807-01	TP-7	1	100.02	0.00	11/12/2024	14:38
7	P4807-05	BF-F14	1	100.02	0.00	11/12/2024	14:45
8	P4807-09	BF-F13	1	100.06	0.00	11/12/2024	14:52
9	P4807-13	TP-6	1	100.02	0.00	11/12/2024	15:20
10	P4809-01	MH-5	1	100.02	0.00	11/12/2024	15:28
11	P4811-01	RB24008	1	100.04	0.00	11/12/2024	15:35
12	P4812-01	RBR200035	1	100.02	0.00	11/12/2024	15:42
13	P4816-01	331	1	100.06	0.00	11/12/2024	15:50
14	P4816-01DUP	331DUP	1	100.02	0.00	11/12/2024	15:58

WORKLIST(Hardcopy Internal Chain)

LB133412

WorkList Name : PF-11-11 WorkList ID : 185336 Department : Wet-Chemistry Date : 11-11-2024 14:48:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-02	WC-TA2-02-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	10/30/2024	9095B
P4799-06	WC-TA2-03-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	11/01/2024	9095B
P4799-10	WC-TA1-01-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	11/04/2024	9095B
P4799-14	WC-TA1-02-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	11/05/2024	9095B
P4799-18	WC-TA1-03-C	Solid	Paint Filter	Cool 4 deg C	ENTA05	L31	11/06/2024	9095B
P4807-01	TP-7	Solid	Paint Filter	Cool 4 deg C	PSEG03	L21	11/09/2024	9095B
P4807-05	BF-F14	Solid	Paint Filter	Cool 4 deg C	PSEG03	L21	11/09/2024	9095B
P4807-09	BF-F13	Solid	Paint Filter	Cool 4 deg C	PSEG03	L21	11/09/2024	9095B
P4807-13	TP-6	Solid	Paint Filter	Cool 4 deg C	PSEG03	L21	11/09/2024	9095B
P4809-01	MH-5	Solid	Paint Filter	Cool 4 deg C	PSEG03	L41	11/11/2024	9095B
P4811-01	RB24008	Solid	Paint Filter	Cool 4 deg C	PSEG03	L31	11/11/2024	9095B
P4812-01	RBR200035	Solid	Paint Filter	Cool 4 deg C	PSEG03	L41	11/11/2024	9095B
P4816-01	331	Solid	Paint Filter	Cool 4 deg C	PSEG03	L31	11/11/2024	9095B

Date/Time 11/12/2024 13:05
 Raw Sample Received by: RTH cwc
 Raw Sample Relinquished by: D Paul

Date/Time 11/12/2024 16:15
 Raw Sample Received by: RTH cwc
 Raw Sample Relinquished by: RTH cwc

Analytical Summary Report

Analysis Method: 1030
Parameter: Ignitability
Run Number: LB133418

Reviewed By: rubina

Supervisor Review By: Iwona

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	P4799-03	WC-TA2-02-C	1	Solid	NO	0.00	11/13/2024	14:55
2	P4799-03DUP	WC-TA2-02-CDUP	1	Solid	NO	0.00	11/13/2024	15:02
3	P4799-07	WC-TA2-03-C	1	Solid	NO	0.00	11/13/2024	15:10
4	P4799-11	WC-TA1-01-C	1	Solid	NO	0.00	11/13/2024	15:17
5	P4799-15	WC-TA1-02-C	1	Solid	NO	0.00	11/13/2024	15:25
6	P4799-19	WC-TA1-03-C	1	Solid	NO	0.00	11/13/2024	15:32
7	P4809-01	MH-5	1	Solid	NO	0.00	11/13/2024	15:40
8	P4809-04	MH-5	1	Solid	NO	0.00	11/13/2024	15:48
9	P4813-02	417	1	Solid	NO	0.00	11/13/2024	15:55
10	P4813-03	418	1	Solid	NO	0.00	11/13/2024	16:02
11	P4813-05	420	1	Solid	NO	0.00	11/13/2024	16:10
12	P4821-01	BP-F-24	1	Solid	NO	0.00	11/13/2024	16:17
13	P4821-04	BP-F-24	1	Solid	NO	0.00	11/13/2024	16:25
14	P4821-05	BP-F-2	1	Solid	NO	0.00	11/13/2024	16:32
15	P4821-08	BP-F-2	1	Solid	NO	0.00	11/13/2024	16:40
16	P4823-01	MH-4	1	Solid	NO	0.00	11/13/2024	16:47
17	P4823-04	MH-4	1	Solid	NO	0.00	11/13/2024	16:55

$$\text{Burning Rate} = \frac{\text{Length (mm)}}{\text{Total Time (sec)}}$$

WORKLIST(Hardcopy Internal Chain)

66133418

WorkList Name : ign-11-12

WorkList ID : 185377

Department : Wet-Chemistry

Date : 11-12-2024 17:14:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-03	WC-TA2-02-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	10/30/2024	1030
P4799-07	WC-TA2-03-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	11/01/2024	1030
P4799-11	WC-TA1-01-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	11/04/2024	1030
P4799-15	WC-TA1-02-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	11/05/2024	1030
P4799-19	WC-TA1-03-C	Solid	Ignitability	Cool 4 deg C	ENTA05	L31	11/06/2024	1030
P4809-01	MH-5	Solid	Ignitability	Cool 4 deg C	PSEG03	L41	11/11/2024	1030
P4809-04	MH-5	Solid	Ignitability	Cool 4 deg C	PSEG03	L41	11/11/2024	1030
P4813-02	417	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/11/2024	1030
P4813-03	418	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/11/2024	1030
P4813-05	420	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/11/2024	1030
P4821-01	BP-F-24	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/11/2024	1030
P4821-04	BP-F-24	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/12/2024	1030
P4821-05	BP-F-2	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/12/2024	1030
P4821-08	BP-F-2	Solid	Ignitability	Cool 4 deg C	PSEG03	L31	11/12/2024	1030
P4823-01	MH-4	Solid	Ignitability	Cool 4 deg C	PSEG03	L21	11/12/2024	1030
P4823-04	MH-4	Solid	Ignitability	Cool 4 deg C	PSEG03	L21	11/12/2024	1030

Date/Time 11/13/2024 14:45
 Raw Sample Received by: RM
 Raw Sample Relinquished by: [Signature]

Date/Time 11/13/2024 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Extraction and Analytical Summary Report

Analysis Method: 9071B
Test: Oil and Grease
Run Number: LB133422
Analysis Date: 11/13/2024
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 11/13/2024
Extraction IN Time: 08:15
Extraction OUT Time: 08:50
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Weight (g)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB133422BL	LB133422BL	SOLID		20.02	100	3.1562	3.1562	0	3.1563	3.1563	0.0001	5
2	LB133422BS	LB133422BS	SOLID		20.03	100	2.8746	2.8746	0	2.8765	2.8765	0.0019	94.86
3	P4799-02	WC-TA2-02-C	SOLID		20.04	100	3.0497	3.0497	0	3.0609	3.0609	0.0112	558.88
4	P4799-06	WC-TA2-03-C	SOLID		20.03	100	3.0517	3.0517	0	3.0541	3.0541	0.0024	119.82
5	P4799-10	WC-TA1-01-C	SOLID		20.02	100	3.1078	3.1078	0	3.1725	3.1725	0.0647	3231.77
6	P4799-14	WC-TA1-02-C	SOLID		20.03	100	3.0811	3.0811	0	3.1322	3.1322	0.0511	2551.17
7	P4799-18	WC-TA1-03-C	SOLID		20.04	100	3.0659	3.0659	0	3.0966	3.0966	0.0307	1531.94
8	P4799-18DUP	WC-TA1-03-CDUP	SOLID		20.02	100	3.1106	3.1106	0	3.1414	3.1414	0.0308	1538.46
9	P4799-18MS	WC-TA1-03-C	SOLID		20.03	100	3.0819	3.0819	0	3.1117	3.1117	0.0298	1487.77
10	P4799-18MSD	WC-TA1-03-C	SOLID		20.02	100	3.0303	3.0303	0	3.0599	3.0599	0.0296	1478.52



Alliance
TECHNICAL GROUP

Test: Oil and Grease

Analysis Date: 11/13/2024

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3110
pH Paper 0-14	NA
Sodium Sulfate	EP2557
1:1 HCL	WP108566
Silica Gel	NA
Sand	E2865

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSS	1.00 ML	WP108569
LCSSD	NA	NA
MS/MSD	1.00 ML	WP108570

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 10:31

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 09:30

Bal Check Time: 08:30 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 11:10

Out Time1: 10:30

After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 12:26

1.0000 gram Balance: 1.0003 (0.9950-1.0050) In Time2: 11:45

Bal Check Time: 13:10 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 13:00

Out Time2: 12:25

WORKLIST(Hardcopy Internal Chain)

VB133422

WorkList Name : oil & grease p4799

WorkList ID : 185378

Department : Wet-Chemistry

Date : 11-13-2024 08:06:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-02	WC-TA2-02-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	10/30/2024	9071B
P4799-06	WC-TA2-03-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	11/01/2024	9071B
P4799-10	WC-TA1-01-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	11/04/2024	9071B
P4799-14	WC-TA1-02-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	11/05/2024	9071B
P4799-18	WC-TA1-03-C	Solid	Oil and Grease	Cool 4 deg C	ENTA05	L31	11/06/2024	9071B

Date/Time 11-13-24 08:10
Raw Sample Received by: so wcl
Raw Sample Relinquished by: JDCSM

Date/Time 11-13-24 13:00
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: so wcl

LB133425

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

11/13/2024 10:59

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.980	0.0	0.152	
ICB1	-0.003	0.0	0.032	
CCV1	1.005	0.0	0.155	
CCB1	-0.002	0.0	0.032	
RL CHECK	0.102	0.0	0.045	
PB164917BL	-0.003	0.0	0.032	
PB164917BS	1.011	0.0	0.156	
P4799-04	0.659	0.0	0.113	
P4799-04DUP	0.668	0.0	0.114	
P4799-04MS	1.545	0.0	0.221	
P4799-04MSD	1.526	0.0	0.219	
P4799-08	0.448	0.0	0.087	
P4799-12	0.200	0.0	0.057	
P4799-16	0.129	0.0	0.048	
CCV2	1.007	0.0	0.155	
CCB2	0.007	0.0	0.034	
P4799-20	0.158	0.0	0.052	
CCV3	1.021	0.0	0.157	
CCB3	0.002	0.0	0.033	

102% (50-150)
11/13/2024
RM

N 19
Mean 0.550
SD 0.5364
CV% 97.45

Calibration results

Aquakem 7.2AQ1

Page: 1

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

11/13/2024 9:56

Reviewed by: RM

Instrument ID : Konelab

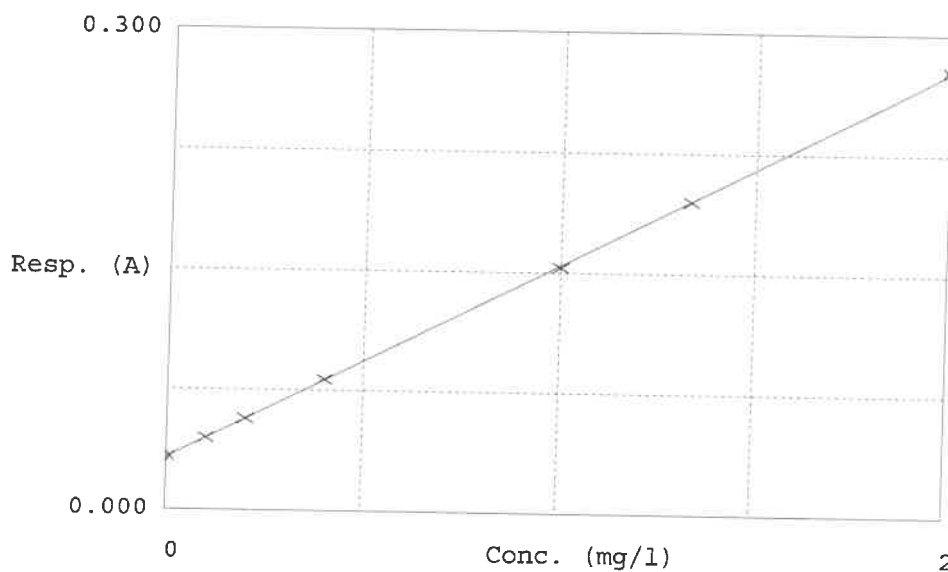
Test Ammonia-N

Accepted 11/13/2024 9:56

Factor 8.198
Bias 0.033

Coeff. of det. 0.999931

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.033	0.0037	0.0000	-
2	NH3-2PPM	0.045	0.1005	0.1000	0.5
3	NH3-2PPM	0.057	0.1999	0.2000	-0.1
4	NH3-2PPM	0.082	0.4037	0.4000	0.9
5	NH3-2PPM	0.153	0.9885	1.0000	-1.2
6	NH3-2PPM	0.195	1.3293	1.3333	2.3
7	NH3-2PPM	0.277	2.0077	2.0000	0.4

11/13/2024
RM

Aquakem v. 7.2AQ1

Results from time period:

Wed Nov 13 09:31:24 2024

Wed Nov 13 10:58:08 2024

Sample Id	Sam/Ctr/c#	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.0037	mg/l	11/13/2024 9:56:15	
0.1PPM	A	Ammonia-† P		0.1005	mg/l	11/13/2024 9:56:16	
0.2PPM	A	Ammonia-† P		0.1999	mg/l	11/13/2024 9:56:17	
0.4PPM	A	Ammonia-† P		0.4037	mg/l	11/13/2024 9:56:18	
1.0PPM	A	Ammonia-† P		0.9885	mg/l	11/13/2024 9:56:19	
1.3PPM	A	Ammonia-† P		1.3293	mg/l	11/13/2024 9:56:20	
2.0PPM	A	Ammonia-† P		2.0077	mg/l	11/13/2024 9:56:21	
ICV1	S	Ammonia-† P		0.9803	mg/l	11/13/2024 10:37:44	
ICB1	S	Ammonia-† P		-0.0029	mg/l	11/13/2024 10:37:46	
CCV1	S	Ammonia-† P		1.0047	mg/l	11/13/2024 10:37:47	
CCB1	S	Ammonia-† P		-0.0022	mg/l	11/13/2024 10:37:49	
RL CHECK	S	Ammonia-† P		0.1018	mg/l	11/13/2024 10:37:51	
PB164917BL	S	Ammonia-† P		-0.0035	mg/l	11/13/2024 10:37:54	
PB164917BS	S	Ammonia-† P		1.0114	mg/l	11/13/2024 10:48:26	
P4799-04	S	Ammonia-† P		0.6589	mg/l	11/13/2024 10:48:28	
P4799-04DUP	S	Ammonia-† P		0.6685	mg/l	11/13/2024 10:48:29	
P4799-04MS	S	Ammonia-† P		1.5448	mg/l	11/13/2024 10:48:31	
P4799-04MSD	S	Ammonia-† P		1.5258	mg/l	11/13/2024 10:48:32	
P4799-08	S	Ammonia-† P		0.4477	mg/l	11/13/2024 10:48:35	
P4799-12	S	Ammonia-† P		0.1996	mg/l	11/13/2024 10:48:36	
P4799-16	S	Ammonia-† P		0.1291	mg/l	11/13/2024 10:57:59	
CCV2	S	Ammonia-† P		1.0066	mg/l	11/13/2024 10:58:00	
CCB2	S	Ammonia-† P		0.0074	mg/l	11/13/2024 10:58:02	
P4799-20	S	Ammonia-† P		0.1577	mg/l	11/13/2024 10:58:04	
CCV3	S	Ammonia-† P		1.0208	mg/l	11/13/2024 10:58:06	
CCB3	S	Ammonia-† P		0.0021	mg/l	11/13/2024 10:58:07	

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133436

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB164888BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	11/13/2024	13:30
2	P4799-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	11/13/2024	13:33
3	P4799-03DUP		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	11/13/2024	13:36
4	P4799-07		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	11/13/2024	13:38
5	P4799-11		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/13/2024	13:40
6	P4799-15		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/13/2024	13:43
7	P4799-19		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	11/13/2024	13:45
8	P4807-04		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	11/13/2024	13:48
9	P4807-08		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	11/13/2024	13:50
10	P4807-12		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	11/13/2024	13:53
11	P4807-16		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	11/13/2024	13:55
12	P4809-04		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	11/13/2024	13:58

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB133436

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
13	P4813-02		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	11/13/2024	14:00
14	P4813-03		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/13/2024	14:03
15	P4813-05		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	11/13/2024	14:05
16	P4821-04		1	5.01	50	2.00	0.00	1.84	1.84	0.16	0.08	6.39	11/13/2024	14:08
17	P4821-08		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	11/13/2024	14:10
18	P4823-04		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	11/13/2024	14:13

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona

ANALYST: Niha

Date: 11/13/2024

Run Number: LB133449

BalanceID: WC SC-6

OvenID: WC OVEN-1

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 11/13/2024 11:00 TEMP1 OUT: 104 °C 11/13/2024 12:00
 TEMP2 IN: 103 °C 11/13/2024 12:30 TEMP2 OUT: 104 °C 11/13/2024 13:30
 TEMP3 IN: 103 °C 11/13/2024 15:45 TEMP3 OUT: 104 °C 11/14/2024 08:30
 TEMP4 IN: 103 °C 11/14/2024 09:00 TEMP4 OUT: 104 °C 11/14/2024 10:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Dish + Sample Weight (g)	Original weight 1st Dish+Sample weight after Drying @103-@105°C (g)	Constant weight 2nd Dish+Sample weight after Drying @103-@105°C (g)	Final Constant weight Final Dish+Sample weight after Drying @103-@105°C (g)	Weight (g)	Result %
1	LB133449BL	LB133449BL	61.2548	61.2548	61.2548	61.2548	61.2548	61.2548	0.0000	0
2	P4771-05	P-1	58.2930	58.2930	79.4704	78.3889	78.3889	78.3889	20.0959	94.9
3	P4771-05DUP	P-1DUP	59.3706	59.3706	80.2526	79.1789	79.1789	79.1789	19.8083	94.9
4	P4771-07	P-2	53.5301	53.5301	73.9193	73.1202	73.1202	73.1202	19.5901	96.1
5	P4799-02	WC-TA2-02-C	60.9560	60.9560	80.2994	76.9449	76.9449	76.9449	15.9889	82.7
6	P4799-06	WC-TA2-03-C	78.4235	78.4235	98.009	94.4656	94.4656	94.4656	16.0421	81.9
7	P4799-10	WC-TA1-01-C	78.4676	78.4676	99.723	96.2982	96.2982	96.2982	17.8306	83.9
8	P4799-14	WC-TA1-02-C	55.9050	55.9050	75.5477	72.2767	72.2767	72.2767	16.3717	83.3
9	P4799-18	WC-TA1-03-C	82.3814	82.3814	100.6797	97.3830	97.3830	97.3830	15.0016	82

A = Final Empty Dish Weight (g)

B = Dish + Sample Weight (g)

C = Final Dish+Sample weight after Drying @103-@105°C (g)

$$\text{Result \%} = (C - A) * 100 / (B - A)$$

WORKLIST(Hardcopy Internal Chain)

LB133449

WorkList Name : TS-11082024

WorkList ID : 185260

Department : Wet-Chemistry

Date : 11-08-2024 13:09:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4771-05	P-1	Solid	TS	Cool 4 deg C	M2AS01	L32	11/07/2024	SM2540 B
P4771-07	P-2	Solid	TS	Cool 4 deg C	M2AS01	L32	11/07/2024	SM2540 B
P4799-02	WC-TA2-02-C	Solid	TS	Cool 4 deg C	ENTA05	L31	10/30/2024	SM2540 B
P4799-06	WC-TA2-03-C	Solid	TS	Cool 4 deg C	ENTA05	L31	11/01/2024	SM2540 B
P4799-10	WC-TA1-01-C	Solid	TS	Cool 4 deg C	ENTA05	L31	11/04/2024	SM2540 B
P4799-14	WC-TA1-02-C	Solid	TS	Cool 4 deg C	ENTA05	L31	11/05/2024	SM2540 B
P4799-18	WC-TA1-03-C	Solid	TS	Cool 4 deg C	ENTA05	L31	11/06/2024	SM2540 B

Date/Time 11.13.2024, 15:00
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: NF(wc)

Date/Time 11.13.2024, 16:00
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: NF(wc)

TOTAL VOLATILE SOLIDS 160.4

TEMP1 IN: 103 °C 11/13/2024 15:45 **TEMP1 OUT:** 104 °C 11/14/2024 08:30
TEMP2 IN: 103 °C 11/14/2024 09:00 **TEMP2 OUT:** 104 °C 11/14/2024 10:30
TEMP3 IN: 540 °C 11/14/2024 11:00 **TEMP3 OUT:** 540 °C 11/14/2024 13:30
TEMP4 IN: 560 °C 11/14/2024 14:00 **TEMP4 OUT:** 560 °C 11/14/2024 16:30

Run Number: LB133450

SUPERVISOR: Iwona

ANALYST: Niha

BalanceID: WC SC-6

OvenID: WC OVEN-1

Dish #	Lab ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Empty Dish + Sample Weight (g)	1st Dish + SampleWt Drying @103-@105°C (g)	Final Dish + SampleWt Drying @103-@105°C (g)	Dish + Samplewt Drying @550 (±50) °C (g)	Final Dish + Samplewt Drying @550 (±50) °C (g)	Weight Diff (g)	Result (%)
1	LB133450BL	61.2548	61.2548	61.2548	61.2548	61.2548	61.2548	61.2548	0.0000	0
2	P4771-05	58.2930	58.2930	79.4704	78.3889	78.3889	78.3030	78.3030	0.0859	0.4
3	P4771-05DUP	59.3706	59.3706	80.2526	79.1789	79.1789	79.0855	79.0855	0.0934	0.5
4	P4771-07	53.5301	53.5301	73.9193	73.1202	73.1202	73.0340	73.0340	0.0862	0.4
5	P4799-02	60.9560	60.9560	80.2994	76.9449	76.9449	76.3729	76.3729	0.5720	3.6
6	P4799-06	78.4235	78.4235	98.009	94.4656	94.4656	93.9650	93.9650	0.5006	3.1
7	P4799-10	78.4676	78.4676	99.723	96.2982	96.2982	95.6875	95.6875	0.6107	3.4
8	P4799-14	55.9050	55.9050	75.5477	72.2767	72.2767	71.7755	71.7755	0.5012	3.1
9	P4799-18	82.3814	82.3814	100.6797	97.3830	97.383	96.7713	96.7713	0.6117	4.1

A = Sample Weight (g)

B = Final Dish + Samplewt Drying @550 (±50) °C (g)

C = Final Dish + SampleWt Drying @103-@105°C (g)

D = Weight (g)

E = Final Empty Dish Weight (g)

F = Final Dish + SampleWt Drying @103-@105°C (g)

Weight D = C - B

Result % = $\frac{D}{F - E} \star 100$

WORKLIST(Hardcopy Internal Chain)

LB13 3450

WorkList Name : TVS-11082024

WorkList ID : 185261

Department : Wet-Chemistry

Date : 11-08-2024 13:09:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4771-05	P-1	Solid	TVS	Cool 4 deg C	M2AS01	L32	11/07/2024	160.4
P4771-07	P-2	Solid	TVS	Cool 4 deg C	M2AS01	L32	11/07/2024	160.4
P4799-02	WC-TA2-02-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	10/30/2024	160.4
P4799-06	WC-TA2-03-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	11/01/2024	160.4
P4799-10	WC-TA1-01-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	11/04/2024	160.4
P4799-14	WC-TA1-02-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	11/05/2024	160.4
P4799-18	WC-TA1-03-C	Solid	TVS	Cool 4 deg C	ENTA05	L31	11/06/2024	160.4

Date/Time 11.13.2024, 15:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

Date/Time 11.13.2024, 16:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

Analytical Summary Report

Analysis Method: SM5220 D
Parameter: ASTM COD
Run Number: LB133460

ANALYST: Niha
SUPERVISOR REVIEW BY: Iwona

Reagent/Standard	Lot/Log #
COD ICV-LCS std, 50ppm	WP110202
COD calibration std. 100 ppm	WP110199
COD calibration std. 10 ppm	WP110197
COD calibration std. 150 ppm	WP110200
COD calibration std. 50 ppm	WP110198
COD calibration std. 0 ppm	WP110196
COD Digestion Vials Low Level 0-150Mg/L	W3124
COD ICV-LCS std, 50ppm	WP110658
COD CCV std, 50ppm	WP110657

Temp In (C): <u>148</u>	Date In: <u>11/14/2024</u>	Time In: <u>10:00</u>
Temp Out (C): <u>150</u>	Date Out: <u>11/14/2024</u>	Time Out: <u>12:00</u>

Intercept: -0.0642 Slope: 0.9946 Regression: 0.9998

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	0.065		10/14/2024	13:10
2	CAL2	10	1	Water	9.000	9.113	-8.9	10/14/2024	13:10
3	CAL3	50	1	Water	50.000	50.336	0.7	10/14/2024	13:11
4	CAL4	100	1	Water	101.000	101.613	1.6	10/14/2024	13:11
5	CAL5	150	1	Water	148.000	148.868	-0.8	10/14/2024	13:12

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Niha

Parameter: ASTM COD

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133460

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	51.000	51.341	10/14/2024	13:12
2	ICB		NA	NA	1	Water	0.000	0.065	10/14/2024	13:13
3	CCV1	50	NA	NA	1	Water	50.000	50.336	11/14/2024	14:00
4	CCB1		NA	NA	1	Water	0.000	0.065	11/14/2024	14:00
5	LB133460BL		NA	NA	1	Water	0.000	0.065	11/14/2024	14:01
6	LB133460BS	50	NA	NA	1	Water	49.000	49.331	11/14/2024	14:01
7	P4799-04		NA	NA	1	Water	28.000	28.217	11/14/2024	14:02
8	P4799-04DUP		NA	NA	1	Water	26.000	26.206	11/14/2024	14:02
9	P4799-04MS	50	NA	NA	1	Water	74.000	74.466	11/14/2024	14:03
10	P4799-04MSD	50	NA	NA	1	Water	76.000	76.477	11/14/2024	14:03
11	P4799-08		NA	NA	1	Water	16.000	16.151	11/14/2024	14:04
12	P4799-12		NA	NA	1	Water	28.000	28.217	11/14/2024	14:04
13	P4799-16		NA	NA	1	Water	24.000	24.195	11/14/2024	14:05
14	P4799-20		NA	NA	1	Water	25.000	25.200	11/14/2024	14:05
15	CCV2	50	NA	NA	1	Water	50.000	50.336	11/14/2024	14:06
16	CCB2		NA	NA	1	Water	0.000	0.065	11/14/2024	14:06

WORKLIST(Hardcopy Internal Chain)

LB133460

WorkList Name : ASTM COD-11132024 WorkList ID : 185403 Department : Wet-Chemistry Date : 11-13-2024 11:35:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-04	WC-TA2-02-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	10/30/2024	SM5220 D
P4799-08	WC-TA2-03-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	11/01/2024	SM5220 D
P4799-12	WC-TA1-01-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	11/04/2024	SM5220 D
P4799-16	WC-TA1-02-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	11/05/2024	SM5220 D
P4799-20	WC-TA1-03-C	Solid	ASTM COD	Cool 4 deg C	ENTA05	L31	11/06/2024	SM5220 D

Date/Time 11.14.2024, 09:10
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

Date/Time 11.14.2024, 11:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 11/11/2024 Time : 12:00 Temp : N/A

Matrix : SOLID

End Digest Date: 11/11/2024 Time : 13:30 Temp : N/A

Pipette ID : N/A

Balance ID : WC SC-4

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1, MC-2

Filter paper ID : N/A

Prep Technician Signature: NF

Weigh By : NF

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	N/A	WP108640
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11.11.2024, 13:45	NF(wc)	NF(wc)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4799-03	WC-TA2-02-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-03DUP	WC-TA2-02-CDUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-07	WC-TA2-03-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-11	WC-TA1-01-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-15	WC-TA1-02-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-19	WC-TA1-03-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-04	TP-7	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-08	BF-F14	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-12	BF-F13	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-16	TP-6	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164883BL	PBS883	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Start Digest Date: 11/13/2024 Time : 09:15 Temp : N/A

Matrix : SOIL

End Digest Date: 11/13/2024 Time : 10:45 Temp : N/A

Pipette ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP108780
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

11/13/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/Nitrite	Comment	Prep Pos
P4799-03	WC-TA2-02-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-03DUP	WC-TA2-02-CDUP	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-07	WC-TA2-03-C	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-11	WC-TA1-01-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-15	WC-TA1-02-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4799-19	WC-TA1-03-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-04	TP-7	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-08	BF-F14	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-12	BF-F13	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4807-16	TP-6	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4809-04	MH-5	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4813-02	417	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4813-03	418	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4813-05	420	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4821-04	BP-F-24	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4821-08	BP-F-2	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4823-04	MH-4	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164888BL	PBS888	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Start Digest Date: 11/12/2024 Time : 11:45 Temp : 150 °C

Matrix : WATER

End Digest Date: 11/12/2024 Time : 12:45 Temp : 160 °C

Pipette ID : WC

11 batch
11/12/2024 13:10 150 °C RM
11/12/2024 14:10 160 °C RM

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: *RM*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP110181
MS/MSD SPIKE SOL.	1.0ML	WP110180
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP110180
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP110335
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W2965
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP108814

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/12/2024 14:20	<i>RM</i> <i>WC</i>	<i>RM</i> <i>WC</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4799-04	WC-TA2-02-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-04DUP	WC-TA2-02-CDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-04MS	WC-TA2-02-CMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-04MSD	WC-TA2-02-CMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-08	WC-TA2-03-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-12	WC-TA1-01-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-16	WC-TA1-02-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4799-20	WC-TA1-03-C	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB164917BL	PBW917	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB164917BS	LCS917	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133397

Review By	jignesh	Review On	11/11/2024 5:34:25 PM
Supervise By	Iwona	Supervise On	11/12/2024 9:49:23 AM
SubDirectory	LB133397	Test	Corrosivity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/11/24 16:25		Jignesh	OK
2	CAL2	CAL2	CAL	11/11/24 16:26		Jignesh	OK
3	CAL3	CAL3	CAL	11/11/24 16:27		Jignesh	OK
4	ICV	ICV	ICV	11/11/24 16:30		Jignesh	OK
5	CCV1	CCV1	CCV	11/11/24 16:35		Jignesh	OK
6	P4799-03	WC-TA2-02-C	SAM	11/11/24 16:40		Jignesh	OK
7	P4799-03DUP	WC-TA2-02-CDUP	DUP	11/11/24 16:41		Jignesh	OK
8	P4799-07	WC-TA2-03-C	SAM	11/11/24 16:42		Jignesh	OK
9	P4799-11	WC-TA1-01-C	SAM	11/11/24 16:45		Jignesh	OK
10	P4799-15	WC-TA1-02-C	SAM	11/11/24 16:50		Jignesh	OK
11	P4799-19	WC-TA1-03-C	SAM	11/11/24 16:55		Jignesh	OK
12	P4807-04	TP-7	SAM	11/11/24 17:05		Jignesh	OK
13	P4807-08	BF-F14	SAM	11/11/24 17:10		Jignesh	OK
14	P4807-12	BF-F13	SAM	11/11/24 17:15		Jignesh	OK
15	P4807-16	TP-6	SAM	11/11/24 17:22		Jignesh	OK
16	CCV2	CCV2	CCV	11/11/24 17:25		Jignesh	OK
17	P4809-04	MH-5	SAM	11/11/24 17:30		Jignesh	OK
18	P4813-02	417	SAM	11/11/24 17:33		Jignesh	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133397

Review By	jignesh	Review On	11/11/2024 5:34:25 PM
Supervise By	Iwona	Supervise On	11/12/2024 9:49:23 AM
SubDirectory	LB133397	Test	Corrosivity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072		

19	P4813-03	418	SAM	11/11/24 17:35		Jignesh	OK
20	P4813-05	420	SAM	11/11/24 17:40		Jignesh	OK
21	CCV3	CCV3	CCV	11/11/24 17:41		Jignesh	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133398

Review By	jignesh	Review On	11/11/2024 5:41:56 PM
Supervise By	Iwona	Supervise On	11/12/2024 9:49:10 AM
SubDirectory	LB133398	Test	pH
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/11/24 16:25		Jignesh	OK
2	CAL2	CAL2	CAL	11/11/24 16:26		Jignesh	OK
3	CAL3	CAL3	CAL	11/11/24 16:27		Jignesh	OK
4	ICV	ICV	ICV	11/11/24 16:30		Jignesh	OK
5	CCV1	CCV1	CCV	11/11/24 16:35		Jignesh	OK
6	P4799-02	WC-TA2-02-C	SAM	11/11/24 16:40		Jignesh	OK
7	P4799-02DUP	WC-TA2-02-CDUP	DUP	11/11/24 16:41		Jignesh	OK
8	P4799-06	WC-TA2-03-C	SAM	11/11/24 16:42		Jignesh	OK
9	P4799-10	WC-TA1-01-C	SAM	11/11/24 16:45		Jignesh	OK
10	P4799-14	WC-TA1-02-C	SAM	11/11/24 16:50		Jignesh	OK
11	P4799-18	WC-TA1-03-C	SAM	11/11/24 16:55		Jignesh	OK
12	CCV2	CCV2	CCV	11/11/24 17:00		Jignesh	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133401

Review By	Niha	Review On	11/13/2024 10:07:28 AM
Supervise By	Iwona	Supervise On	11/13/2024 1:29:49 PM
SubDirectory	LB133401	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP110647,WP110648,WP110649,WP110650,WP110651,WP110652,WP110653		
ICV Standard	WP110654		
CCV Standard	WP110648		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP109068,WP110103,WP110645		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/11/24 11:56		Niha	
2	5.0PPBCN	5.0PPBCN	CAL2	11/11/24 11:56		Niha	
3	10PPBCN	10PPBCN	CAL3	11/11/24 11:56		Niha	
4	50PPBCN	50PPBCN	CAL4	11/11/24 11:56		Niha	
5	100PPBCN	100PPBCN	CAL5	11/11/24 11:56		Niha	
6	250PPBCN	250PPBCN	CAL6	11/11/24 11:56		Niha	
7	500PPBCN	500PPBCN	CAL7	11/11/24 11:56		Niha	
8	ICV1	ICV1	ICV	11/11/24 15:13		Niha	
9	ICB1	ICB1	ICB	11/11/24 15:13		Niha	
10	CCV1	CCV1	CCV	11/11/24 15:13		Niha	
11	CCB1	CCB1	CCB	11/11/24 15:13		Niha	
12	PB164810BL	PB164810BL	MB	11/11/24 15:13		Niha	
13	P4738-02	72-12018	SAM	11/11/24 15:13		Niha	
14	P4738-02DUP	72-12018DUP	DUP	11/11/24 15:21		Niha	
15	P4739-04	TP-14	SAM	11/11/24 15:21		Niha	
16	P4739-08	BP-G2	SAM	11/11/24 15:21		Niha	
17	P4739-12	BP-B2	SAM	11/11/24 15:21		Niha	
18	P4739-16	TP-11	SAM	11/11/24 15:21		Niha	

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133401

Review By	Niha	Review On	11/13/2024 10:07:28 AM
Supervise By	Iwona	Supervise On	11/13/2024 1:29:49 PM
SubDirectory	LB133401	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP110647,WP110648,WP110649,WP110650,WP110651,WP110652,WP110653		
ICV Standard	WP110654		
CCV Standard	WP110648		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP109068,WP110103,WP110645		

19	P4756-04	BP-B4	SAM	11/11/24 15:21		Niha	
20	P4771-06	P-1	SAM	11/11/24 15:21		Niha	
21	P4771-08	P-2	SAM	11/11/24 15:21		Niha	
22	CCV2	CCV2	CCV	11/11/24 15:21		Niha	
23	CCB2	CCB2	CCB	11/11/24 15:28		Niha	
24	P4788-04	BP-G3	SAM	11/11/24 15:28		Niha	
25	P4789-04	BP-F21	SAM	11/11/24 15:28		Niha	
26	P4791-01	ARS20-0016	SAM	11/11/24 15:28		Niha	
27	P4792-01	DIESLE-DRUM	SAM	11/11/24 15:28		Niha	
28	P4792-06	OILY-STONE-DRUM	SAM	11/11/24 15:28		Niha	
29	P4793-02	M00-24-00345	SAM	11/11/24 15:28		Niha	
30	P4795-02	LAW-23-00189	SAM	11/11/24 15:28		Niha	
31	P4798-04	MH-6	SAM	11/11/24 15:28		Niha	
32	PB164883BL	PB164883BL	MB	11/11/24 15:28		Niha	
33	P4799-07	WC-TA2-03-C	SAM	11/11/24 15:28		Niha	
34	CCV3	CCV3	CCV	11/11/24 15:36		Niha	
35	CCB3	CCB3	CCB	11/11/24 15:36		Niha	
36	P4799-03	WC-TA2-02-C	SAM	11/11/24 15:36		Niha	
37	P4799-03DUP	WC-TA2-02-CDUP	DUP	11/11/24 15:36		Niha	
38	P4799-11	WC-TA1-01-C	SAM	11/11/24 15:36		Niha	

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133401

Review By	Niha	Review On	11/13/2024 10:07:28 AM
Supervise By	Iwona	Supervise On	11/13/2024 1:29:49 PM
SubDirectory	LB133401	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP110647,WP110648,WP110649,WP110650,WP110651,WP110652,WP110653		
ICV Standard	WP110654		
CCV Standard	WP110648		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP109068,WP110103,WP110645		

39	P4799-15	WC-TA1-02-C	SAM	11/11/24 15:36		Niha	
40	P4807-04	TP-7	SAM	11/11/24 15:36		Niha	
41	P4807-08	BF-F14	SAM	11/11/24 15:36		Niha	
42	P4807-12	BF-F13	SAM	11/11/24 15:43		Niha	
43	P4807-16	TP-6	SAM	11/11/24 15:43		Niha	
44	P4799-19	WC-TA1-03-C	SAM	11/11/24 15:43		Niha	
45	PB164882BL	PB164882BL	MB	11/11/24 15:43		Niha	
46	CCV4	CCV4	CCV	11/11/24 15:44		Niha	
47	CCB4	CCB4	CCB	11/11/24 15:44		Niha	
48	P4791-02	HINCHMAN-OILY-WA	SAM	11/11/24 15:44		Niha	
49	P4791-02DUP	HINCHMAN-OILY-WA	DUP	11/11/24 15:44		Niha	
50	P4792-04	MANHOLE-WASTE-D	SAM	11/11/24 15:44		Niha	
51	CCV5	CCV5	CCV	11/11/24 15:47		Niha	
52	CCB5	CCB5	CCB	11/11/24 15:47		Niha	

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB133404

Review By	jignesh	Review On	11/12/2024 12:07:44 PM
Supervise By	Iwona	Supervise On	11/13/2024 1:50:34 PM
SubDirectory	LB133404	Test	ASTM Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3110,M6069,EP2557,WP108566,NA,NA,WP108567,NA,WP108568		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB133404BL	LB133404BL	MB	11/12/24 12:45		jignesh	OK
2	LB133404BS	LB133404BS	LCS	11/12/24 12:45		jignesh	OK
3	P4799-04	WC-TA2-02-C	SAM	11/12/24 12:45		jignesh	OK
4	P4799-04DUP	WC-TA2-02-CDUP	DUP	11/12/24 12:45		jignesh	OK
5	P4799-04MS	WC-TA2-02-CMS	MS	11/12/24 12:45		jignesh	OK
6	P4799-04MSD	WC-TA2-02-CMSD	MSD	11/12/24 12:45		jignesh	OK
7	P4799-08	WC-TA2-03-C	SAM	11/12/24 12:45		jignesh	OK
8	P4799-12	WC-TA1-01-C	SAM	11/12/24 12:45		jignesh	OK
9	P4799-16	WC-TA1-02-C	SAM	11/12/24 12:45		jignesh	OK
10	P4799-20	WC-TA1-03-C	SAM	11/12/24 12:45		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB133405

Review By	jignesh	Review On	11/13/2024 10:26:14 AM
Supervise By	Iwona	Supervise On	11/13/2024 1:49:37 PM
SubDirectory	LB133405	Test	ASTM TS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB133405BL	LB133405BL	MB	11/12/24 11:00		jignesh	OK
2	P4799-04	WC-TA2-02-C	SAM	11/12/24 11:00		jignesh	OK
3	P4799-04DUP	WC-TA2-02-CDUP	DUP	11/12/24 11:00		jignesh	OK
4	P4799-08	WC-TA2-03-C	SAM	11/12/24 11:00		jignesh	OK
5	P4799-12	WC-TA1-01-C	SAM	11/12/24 11:00		jignesh	OK
6	P4799-16	WC-TA1-02-C	SAM	11/12/24 11:00		jignesh	OK
7	P4799-20	WC-TA1-03-C	SAM	11/12/24 11:00		jignesh	OK

Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB133412

Review By	rubina	Review On	11/12/2024 5:16:18 PM
Supervise By	Iwona	Supervise On	11/13/2024 9:28:13 AM
SubDirectory	LB133412	Test	Paint Filter
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	P4799-02	WC-TA2-02-C	SAM	11/12/24 14:00		rubina	OK
2	P4799-06	WC-TA2-03-C	SAM	11/12/24 14:07		rubina	OK
3	P4799-10	WC-TA1-01-C	SAM	11/12/24 14:15		rubina	OK
4	P4799-14	WC-TA1-02-C	SAM	11/12/24 14:22		rubina	OK
5	P4799-18	WC-TA1-03-C	SAM	11/12/24 14:30		rubina	OK
6	P4807-01	TP-7	SAM	11/12/24 14:38		rubina	OK
7	P4807-05	BF-F14	SAM	11/12/24 14:45		rubina	OK
8	P4807-09	BF-F13	SAM	11/12/24 14:52		rubina	OK
9	P4807-13	TP-6	SAM	11/12/24 15:20		rubina	OK
10	P4809-01	MH-5	SAM	11/12/24 15:28		rubina	OK
11	P4811-01	RB24008	SAM	11/12/24 15:35		rubina	OK
12	P4812-01	RBR200035	SAM	11/12/24 15:42		rubina	OK
13	P4816-01	331	SAM	11/12/24 15:50		rubina	OK
14	P4816-01DUP	331DUP	DUP	11/12/24 15:58		rubina	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB133418

Review By	rubina	Review On	11/14/2024 9:20:05 AM
Supervise By	Iwona	Supervise On	11/14/2024 10:19:12 AM
SubDirectory	LB133418	Test	Ignitability
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	P4799-03	WC-TA2-02-C	SAM	11/13/24 14:55		rubina	OK
2	P4799-03DUP	WC-TA2-02-CDUP	DUP	11/13/24 15:02		rubina	OK
3	P4799-07	WC-TA2-03-C	SAM	11/13/24 15:10		rubina	OK
4	P4799-11	WC-TA1-01-C	SAM	11/13/24 15:17		rubina	OK
5	P4799-15	WC-TA1-02-C	SAM	11/13/24 15:25		rubina	OK
6	P4799-19	WC-TA1-03-C	SAM	11/13/24 15:32		rubina	OK
7	P4809-01	MH-5	SAM	11/13/24 15:40		rubina	OK
8	P4809-04	MH-5	SAM	11/13/24 15:48		rubina	OK
9	P4813-02	417	SAM	11/13/24 15:55		rubina	OK
10	P4813-03	418	SAM	11/13/24 16:02		rubina	OK
11	P4813-05	420	SAM	11/13/24 16:10		rubina	OK
12	P4821-01	BP-F-24	SAM	11/13/24 16:17		rubina	OK
13	P4821-04	BP-F-24	SAM	11/13/24 16:25		rubina	OK
14	P4821-05	BP-F-2	SAM	11/13/24 16:32		rubina	OK
15	P4821-08	BP-F-2	SAM	11/13/24 16:40		rubina	OK
16	P4823-01	MH-4	SAM	11/13/24 16:47		rubina	OK
17	P4823-04	MH-4	SAM	11/13/24 16:55		rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB133422

Review By	jignesh	Review On	11/13/2024 10:36:31 AM
Supervise By	Iwona	Supervise On	11/13/2024 1:48:51 PM
SubDirectory	LB133422	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3110,NA,EP2557,WP108566,NA,E2865,WP108569,NA,WP108570		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB133422BL	LB133422BL	MB	11/13/24 09:30		jignesh	OK
2	LB133422BS	LB133422BS	LCS	11/13/24 09:30		jignesh	OK
3	P4799-02	WC-TA2-02-C	SAM	11/13/24 09:30		jignesh	OK
4	P4799-06	WC-TA2-03-C	SAM	11/13/24 09:30		jignesh	OK
5	P4799-10	WC-TA1-01-C	SAM	11/13/24 09:30		jignesh	OK
6	P4799-14	WC-TA1-02-C	SAM	11/13/24 09:30		jignesh	OK
7	P4799-18	WC-TA1-03-C	SAM	11/13/24 09:30		jignesh	OK
8	P4799-18DUP	WC-TA1-03-CDUP	DUP	11/13/24 09:30		jignesh	OK
9	P4799-18MS	WC-TA1-03-CMS	MS	11/13/24 09:30		jignesh	OK
10	P4799-18MSD	WC-TA1-03-CMSD	MSD	11/13/24 09:30		jignesh	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133425

Review By	rubina	Review On	11/14/2024 8:45:14 AM
Supervise By	Iwona	Supervise On	11/14/2024 4:24:38 PM
SubDirectory	LB133425	Test	ASTM Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP110674		
ICV Standard	WP110676		
CCV Standard	WP110675		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110181		
Chk Standard	WP110416,WP110019,WP108709,WP108840		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	11/13/24 09:56		rubina	OK
2	0.1PPM	0.1PPM	CAL2	11/13/24 09:56		rubina	OK
3	0.2PPM	0.2PPM	CAL3	11/13/24 09:56		rubina	OK
4	0.4PPM	0.4PPM	CAL4	11/13/24 09:56		rubina	OK
5	1.0PPM	1.0PPM	CAL5	11/13/24 09:56		rubina	OK
6	1.3PPM	1.3PPM	CAL6	11/13/24 09:56		rubina	OK
7	2.0PPM	2.0PPM	CAL7	11/13/24 09:56		rubina	OK
8	ICV1	ICV1	ICV	11/13/24 10:37		rubina	OK
9	ICB1	ICB1	ICB	11/13/24 10:37		rubina	OK
10	CCV1	CCV1	CCV	11/13/24 10:37		rubina	OK
11	CCB1	CCB1	CCB	11/13/24 10:37		rubina	OK
12	RL	RL	SAM	11/13/24 10:37		rubina	OK
13	PB164917BL	PB164917BL	MB	11/13/24 10:37		rubina	OK
14	PB164917BS	PB164917BS	LCS	11/13/24 10:48		rubina	OK
15	P4799-04	WC-TA2-02-C	SAM	11/13/24 10:48		rubina	OK
16	P4799-04DUP	WC-TA2-02-CDUP	DUP	11/13/24 10:48		rubina	OK
17	P4799-04MS	WC-TA2-02-CMS	MS	11/13/24 10:48		rubina	OK
18	P4799-04MSD	WC-TA2-02-CMSD	MSD	11/13/24 10:48		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133425

Review By	rubina	Review On	11/14/2024 8:45:14 AM
Supervise By	Iwona	Supervise On	11/14/2024 4:24:38 PM
SubDirectory	LB133425	Test	ASTM Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP110674		
ICV Standard	WP110676		
CCV Standard	WP110675		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110181		
Chk Standard	WP110416,WP110019,WP108709,WP108840		

19	P4799-08	WC-TA2-03-C	SAM	11/13/24 10:48		rubina	OK
20	P4799-12	WC-TA1-01-C	SAM	11/13/24 10:48		rubina	OK
21	P4799-16	WC-TA1-02-C	SAM	11/13/24 10:57		rubina	OK
22	CCV2	CCV2	CCV	11/13/24 10:58		rubina	OK
23	CCB2	CCB2	CCB	11/13/24 10:58		rubina	OK
24	P4799-20	WC-TA1-03-C	SAM	11/13/24 10:58		rubina	OK
25	CCV3	CCV3	CCV	11/13/24 10:58		rubina	OK
26	CCB3	CCB3	CCB	11/13/24 10:58		rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB133436

Review By	rubina	Review On	11/13/2024 5:03:11 PM
Supervise By	Iwona	Supervise On	11/14/2024 10:18:56 AM
SubDirectory	LB133436	Test	Reactive Sulfide
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3105,W3114,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB164888BL	PB164888BL	MB	11/13/24 13:30		rubina	OK
2	P4799-03	WC-TA2-02-C	SAM	11/13/24 13:33		rubina	OK
3	P4799-03DUP	WC-TA2-02-CDUP	DUP	11/13/24 13:36		rubina	OK
4	P4799-07	WC-TA2-03-C	SAM	11/13/24 13:38		rubina	OK
5	P4799-11	WC-TA1-01-C	SAM	11/13/24 13:40		rubina	OK
6	P4799-15	WC-TA1-02-C	SAM	11/13/24 13:43		rubina	OK
7	P4799-19	WC-TA1-03-C	SAM	11/13/24 13:45		rubina	OK
8	P4807-04	TP-7	SAM	11/13/24 13:48		rubina	OK
9	P4807-08	BF-F14	SAM	11/13/24 13:50		rubina	OK
10	P4807-12	BF-F13	SAM	11/13/24 13:53		rubina	OK
11	P4807-16	TP-6	SAM	11/13/24 13:55		rubina	OK
12	P4809-04	MH-5	SAM	11/13/24 13:58		rubina	OK
13	P4813-02	417	SAM	11/13/24 14:00		rubina	OK
14	P4813-03	418	SAM	11/13/24 14:03		rubina	OK
15	P4813-05	420	SAM	11/13/24 14:05		rubina	OK
16	P4821-04	BP-F-24	SAM	11/13/24 14:08		rubina	OK
17	P4821-08	BP-F-2	SAM	11/13/24 14:10		rubina	OK
18	P4823-04	MH-4	SAM	11/13/24 14:13		rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB133449

Review By	Niha	Review On	11/14/2024 4:49:42 PM
Supervise By	Iwona	Supervise On	11/14/2024 4:52:22 PM
SubDirectory	LB133449	Test	TS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB133449BL	LB133449BL	MB	11/13/24 11:00		Niha	OK
2	P4771-05	P-1	SAM	11/13/24 11:00		Niha	OK
3	P4771-05DUP	P-1DUP	DUP	11/13/24 11:00		Niha	OK
4	P4771-07	P-2	SAM	11/13/24 11:00		Niha	OK
5	P4799-02	WC-TA2-02-C	SAM	11/13/24 11:00		Niha	OK
6	P4799-06	WC-TA2-03-C	SAM	11/13/24 11:00		Niha	OK
7	P4799-10	WC-TA1-01-C	SAM	11/13/24 11:00		Niha	OK
8	P4799-14	WC-TA1-02-C	SAM	11/13/24 11:00		Niha	OK
9	P4799-18	WC-TA1-03-C	SAM	11/13/24 11:00		Niha	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB133450

Review By	Niha	Review On	11/14/2024 4:50:31 PM
Supervise By	Iwona	Supervise On	11/14/2024 4:52:13 PM
SubDirectory	LB133450	Test	TVS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB133450BL	LB133450BL	MB	11/13/24 15:45		Niha	OK
2	P4771-05	P-1	SAM	11/13/24 15:45		Niha	OK
3	P4771-05DUP	P-1DUP	DUP	11/13/24 15:45		Niha	OK
4	P4771-07	P-2	SAM	11/13/24 15:45		Niha	OK
5	P4799-02	WC-TA2-02-C	SAM	11/13/24 15:45		Niha	OK
6	P4799-06	WC-TA2-03-C	SAM	11/13/24 15:45		Niha	OK
7	P4799-10	WC-TA1-01-C	SAM	11/13/24 15:45		Niha	OK
8	P4799-14	WC-TA1-02-C	SAM	11/13/24 15:45		Niha	OK
9	P4799-18	WC-TA1-03-C	SAM	11/13/24 15:45		Niha	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB133460

Review By	Niha	Review On	11/15/2024 10:15:18 AM
Supervise By	Iwona	Supervise On	11/15/2024 10:43:25 AM
SubDirectory	LB133460	Test	ASTM COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP110202,WP110199,WP110197,WP110200,WP110198,WP110196,W3124,WP110658,WP110657		

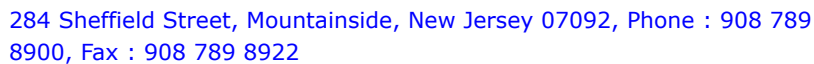
Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/14/24 13:10		Niha	OK
2	CAL2	CAL2	CAL	10/14/24 13:10		Niha	OK
3	CAL3	CAL3	CAL	10/14/24 13:11		Niha	OK
4	CAL4	CAL4	CAL	10/14/24 13:11		Niha	OK
5	CAL5	CAL5	CAL	10/14/24 13:12		Niha	OK
6	ICV	ICV	ICV	10/14/24 13:12		Niha	OK
7	ICB	ICB	ICB	10/14/24 13:13		Niha	OK
8	CCV1	CCV1	CCV	11/14/24 14:00		Niha	OK
9	CCB1	CCB1	CCB	11/14/24 14:00		Niha	OK
10	LB133460BL	LB133460BL	MB	11/14/24 14:01		Niha	OK
11	LB133460BS	LB133460BS	LCS	11/14/24 14:01		Niha	OK
12	P4799-04	WC-TA2-02-C	SAM	11/14/24 14:02		Niha	OK
13	P4799-04DUP	WC-TA2-02-CDUP	DUP	11/14/24 14:02		Niha	OK
14	P4799-04MS	WC-TA2-02-CMS	MS	11/14/24 14:03	0.5ml WP110655 + 9.5ml Sample	Niha	OK
15	P4799-04MSD	WC-TA2-02-CMSD	MSD	11/14/24 14:03	0.5ml WP110655 + 9.5ml Sample	Niha	OK
16	P4799-08	WC-TA2-03-C	SAM	11/14/24 14:04		Niha	OK
17	P4799-12	WC-TA1-01-C	SAM	11/14/24 14:04		Niha	OK
18	P4799-16	WC-TA1-02-C	SAM	11/14/24 14:05		Niha	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB133460

Review By	Niha	Review On	11/15/2024 10:15:18 AM
Supervise By	Iwona	Supervise On	11/15/2024 10:43:25 AM
SubDirectory	LB133460	Test	ASTM COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP110202,WP110199,WP110197,WP110200,WP110198,WP110196,W3124,WP110658,WP110657		

19	P4799-20	WC-TA1-03-C	SAM	11/14/24 14:05		Niha	OK
20	CCV2	CCV2	CCV	11/14/24 14:06		Niha	OK
21	CCB2	CCB2	CCB	11/14/24 14:06		Niha	OK



Order ID :	P4799
Test :	ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,Percent Solids,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS
Prepbatch ID :	PB164883,PB164888,PB164917,
Sequence ID/Qc Batch ID:	LB133397,LB133398,LB133401,LB133404,LB133405,LB133412,LB133418,LB133422,LB133425,LB133428,LB133431,LB133434,LB133437,LB133440,LB133443,LB133446,LB133449,LB133452,LB133455,LB133458,LB133461,LB133464,LB133467,LB133470,LB133473,LB133476,LB133479,LB133482,LB133485,LB133488,LB133491,LB133494,LB133497,LB133500,LB133503,LB133506,LB133509,LB133512,LB133515,LB133518,LB133521,LB133524,LB133527,LB133530,LB133533,LB133536,LB133539,LB133542,LB133545,LB133548,LB133551,LB133554,LB133557,LB133560,LB133563,LB133566,LB133569,LB133572,LB133575,LB133578,LB133581,LB133584,LB133587,LB133590,LB133593,LB133596,LB133599,LB133602,LB133605,LB133608,LB133611,LB133614,LB133617,LB133620,LB133623,LB133626,LB133629,LB133632,LB133635,LB133638,LB133641,LB133644,LB133647,LB133650,LB133653,LB133656,LB133659,LB133662,LB133665,LB133668,LB133671,LB133674,LB133677,LB133680,LB133683,LB133686,LB133689,LB133692,LB133695,LB133698,LB133701,LB133704,LB133707,LB133710,LB133713,LB133716,LB133719,LB133722,LB133725,LB133728,LB133731,LB133734,LB133737,LB133740,LB133743,LB133746,LB133749,LB133752,LB133755,LB133758,LB133761,LB133764,LB133767,LB133770,LB133773,LB133776,LB133779,LB133782,LB133785,LB133788,LB133791,LB133794,LB133797,LB133800,LB133803,LB133806,LB133809,LB133812,LB133815,LB133818,LB133821,LB133824,LB133827,LB133830,LB133833,LB133836,LB133839,LB133842,LB133845,LB133848,LB133851,LB133854,LB133857,LB133860,LB133863,LB133866,LB133869,LB133872,LB133875,LB133878,LB133881,LB133884,LB133887,LB133890,LB133893,LB133896,LB133899,LB133902,LB133905,LB133908,LB133911,LB133914,LB133917,LB133920,LB133923,LB133926,LB133929,LB133932,LB133935,LB133938,LB133941,LB133944,LB133947,LB133950,LB133953,LB133956,LB133959,LB133962,LB133965,LB133968,LB133971,LB133974,LB133977,LB133980,LB133983,LB133986,LB133989,LB133992,LB133995,LB133998,LB134001,LB134004,LB134007,LB134010,LB134013,LB134016,LB134019,LB134022,LB134025,LB134028,LB134031,LB134034,LB134037,LB134040,LB134043,LB134046,LB134049,LB134052,LB134055,LB134058,LB134061,LB134064,LB134067,LB134070,LB134073,LB134076,LB134079,LB134082,LB134085,LB134088,LB134091,LB134094,LB134097,LB134100,LB134103,LB134106,LB134109,LB134112,LB134115,LB134118,LB134121,LB134124,LB134127,LB134130,LB134133,LB134136,LB134139,LB134142,LB134145,LB134148,LB134151,LB134154,LB134157,LB134160,LB134163,LB134166,LB134169,LB134172,LB134175,LB134178,LB134181,LB134184,LB134187,LB134190,LB134193,LB134196,LB134199,LB134202,LB134205,LB134208,LB134211,LB134214,LB134217,LB134220,LB134223,LB134226,LB134229,LB134232,LB134235,LB134238,LB134241,LB134244,LB134247,LB134250,LB134253,LB134256,LB134259,LB134262,LB134265,LB134268,LB134271,LB134274,LB134277,LB134280,LB134283,LB134286,LB134289,LB134292,LB134295,LB134298,LB134301,LB134304,LB134307,LB134310,LB134313,LB134316,LB134319,LB134322,LB134325,LB134328,LB134331,LB134334,LB134337,LB134340,LB134343,LB134346,LB134349,LB134352,LB134355,LB134358,LB134361,LB134364,LB134367,LB134370,LB134373,LB134376,LB134379,LB134382,LB134385,LB134388,LB134391,LB134394,LB134397,LB134400,LB134403,LB134406,LB134409,LB134412,LB134415,LB134418,LB134421,LB134424,LB134427,LB134430,LB134433,LB134436,LB134439,LB134442,LB134445,LB134448,LB134451,LB134454,LB134457,LB134460,LB134463,LB134466,LB134469,LB134472,LB134475,LB134478,LB134481,LB134484,LB134487,LB134490,LB134493,LB134496,LB134499,LB134502,LB134505,LB134508,LB134511,LB134514,LB134517,LB134520,LB134523,LB134526,LB134529,LB134532,LB134535,LB134538,LB134541,LB134544,LB134547,LB134550,LB134553,LB134556,LB134559,LB134562,LB134565,LB134568,LB134571,LB134574,LB134577,LB134580,LB134583,LB134586,LB134589,LB134592,LB134595,LB134598,LB134601,LB134604,LB134607,LB134610,LB134613,LB134616,LB134619,LB134622,LB134625,LB134628,LB134631,LB134634,LB134637,LB134640,LB134643,LB134646,LB134649,LB134652,LB134655,LB134658,LB134661,LB134664,LB134667,LB134670,LB134673,LB134676,LB134679,LB134682,LB134685,LB134688,LB134691,LB134694,LB134697,LB134700,LB134703,LB134706,LB134709,LB134712,LB134715,LB134718,LB134721,LB134724,LB134727,LB134730,LB134733,LB134736,LB134739,LB134742,LB134745,LB134748,LB134751,LB134754,LB134757,LB134760,LB134763,LB134766,LB134769,LB134772,LB134775,LB134778,LB134781,LB134784,LB134787,LB134790,LB134793,LB134796,LB134799,LB134802,LB134805,LB134808,LB134811,LB134814,LB134817,LB134820,LB134823,LB134826,LB134829,LB134832,LB134835,LB134838,LB134841,LB134844,LB134847,LB134850,LB134853,LB134856,LB134859,LB134862,LB134865,LB134868,LB134871,LB134874,LB134877,LB

EP2557,WP108566,WP108567,WP108568,WP108569,WP108570,WP108640,WP108660,WP108661,WP108708,WP108709,WP108780,WP108840,WP109068,WP109549,WP110019,WP110103,WP110149,WP110150,WP110180,WP110181,WP110194,WP110195,WP110196,WP110197,WP110198,WP110199,WP110200,WP110202,WP110335,WP110416,WP110645,WP110646,WP110647,WP110648,WP110649,WP110650,WP110651,WP110652,WP110653,WP110654,WP110655,WP110656,WP110657,WP110658,WP110674,WP110675,WP110676,

E2865,E3551,E3657,E3726,M5673,M5929,M5943,M6069,W1992,W1993,W2606,W2666,W2668,W2700,W2725,W2784,W2817,W2858,W2871,W2882,W2926,W2965,W3005,W3009,W3019,W3071,W3072,W3082,W3093,W3094,W3105,W3107,W3110,W3111,W3112,W3113,W3114,W3124,W3132,W3133,W3138,W3139,W3142,W3143,W3149,



<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>
3923	Baked Sodium Sulfate	EP2557	11/10/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 11/10/2024
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<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>
229	1:1 HCL	WP108566	06/27/2024	10/24/2024	Jignesh Parikh	None	None	Iwona Zarych 06/27/2024
<u>FROM</u> 500.00000ml of M5943 + 500.00000ml of W2606 = Final Quantity: 1.000 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>
2470	1664A SPIKING SOLN	WP108567	06/27/2024	12/25/2024	Jignesh Parikh	None	None	Iwona Zarych
								06/27/2024

FROM 1000.00000ml of E3726 + 4.00000gram of W2817 + 4.00000gram of W2871 = 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>
3374	1664A QCS spiking solution-SS	WP108568	06/27/2024	12/25/2024	Jignesh Parikh	WETCHEM_S CALE_4 (WC SC-4)	None	Iwona Zarych
								06/27/2024

FROM 1000.00000ml of E3726 + 4.00000gram of W3009 + 4.00000gram of W3082 = 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>
3931	Spiking std for 9071B	WP108569	06/27/2024	12/25/2024	Jignesh Parikh	WETCHEM_SCALE_4 (WCS-4)	None	Iwona Zarych 06/27/2024
<u>FROM</u> 1.00000gram of W2817 + 1.00000gram of W2871 + 1000.00000ml of E3726 = 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>
3873	Spiking solution for 9071B - SS	WP108570	06/27/2024	12/25/2024	Jignesh Parikh	WETCHEM_SCALE_4 (WC SC-4)	None	Iwona Zarych 06/27/2024
<u>FROM</u> 1.00000gram of W3009 + 1.00000gram of W3082 + 1000.00000L of E3726 = 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	WP108640	07/05/2024	01/05/2025	Rubina Mughal	WETCHEM_S CALE_4 (WC SC-4)	None	Iwona Zarych 07/08/2024
<u>FROM</u> 21.00000L of W3112 + 210.00000gram of E3657 = Final Quantity: 21.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1471	NaOH Solution, 6N	WP108660	07/09/2024	01/09/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 07/09/2024
<u>FROM</u> 240.00000gram of W3113 + 760.00000ml 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>
1796	NaOH, 0.1N	WP108661	07/09/2024	01/09/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 07/09/2024
<u>FROM</u> 4.00000gram of W3113 + 996.00000ml 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>
1494	BORATE BUFFER	WP108708	07/11/2024	01/09/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Mohan Bera 07/17/2024
<u>FROM</u> 0.90250L of W3112 + 9.50000gram of W2700 + 88.00000ml of WP108661 = Final Quantity: 1.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
290	Phenol reagent for Ammonia	WP108709	07/11/2024	01/11/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCS-5)	None	Mohan Bera 07/17/2024
<u>FROM</u> 3.20000gram of W3113 + 8.30000gram of W2858 + 88.80000ml of W3112 = Final Quantity: 100.000 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>
160	0.5M ZINC ACETATE	WP108780	07/22/2024	12/08/2024	Rubina Mughal	WETCHEM_SCALE_5 (WC)	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/23/2024
<u>FROM</u>	0.88900L of W3112 + 1.00000ml of M5929 + 110.00000gram of W2926 = 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>
635	EDTA BUFFER FOR AMMONIA	WP108840	07/26/2024	01/26/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCS-5)	None	Iwona Zarych 07/26/2024
<u>FROM</u> 5.50000gram of W3113 + 50.00000gram of W3132 + 950.00000ml 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>
607	PYRIDINE-BARBITURIC ACID	WP109068	08/06/2024	12/08/2024	Niha Farheen Shaik	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 08/07/2024
<u>FROM</u>	145.00000ml of W3112 + 15.00000gram of W2882 + 15.00000ml of M5929 + 75.00000ml of W3019 = Final Quantity: 250.000 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>
3371	Cyanide LCS Spike Solution, 5PPM	WP109549	09/06/2024	01/05/2025	Niha Farheen Shaik	None	WETCHEM_FIPETTE_3 (WC)	Iwona Zarych 09/06/2024

FROM 1.00000ml of W3138 + 199.00000ml of WP108640 = 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>
289	Sodium Hypochlorite for Ammonia	WP110019	10/02/2024	01/31/2025	Rubina Mughal	None	None	Iwona Zarych 10/04/2024

FROM 50.00000ml of W3112 + 50.00000ml of W3143 = Final Quantity: 100.000 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>
539	CN BUFFER	WP110103	10/08/2024	04/08/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 10/08/2024
<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>
153	Ammonia Stock Std. (1000 ppm)	WP110149	10/11/2024	04/08/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 10/14/2024
<u>FROM</u>	3.81900gram of W1993 + 996.18100ml 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>
1895	Ammonia Stock Std, 1000PPM-SS	WP110150	10/11/2024	04/08/2025	Rubina Mughal	WETCHEM_S CALE_5 (WC SC-5)	None	Iwona Zarych 10/14/2024
<u>FROM</u> 3.81900gram of W1992 + 996.18100ml 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>
1322	Ammonia Intermediate Std, 50PPM	WP110180	10/14/2024	11/14/2024	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/15/2024
<u>FROM</u> 95.00000ml of W3112 + 5.00000ml of WP110149 = Final Quantity: 100.000 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>
1639	Ammonia Intermediate Std-Second source, 50PPM	WP110181	10/14/2024	11/14/2024	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/15/2024
<u>FROM</u> 95.00000ml of W3112 + 5.00000ml of WP110150 = Final Quantity: 100.000 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>
2456	COD Stock std, 1000ppm	WP110194	10/14/2024	10/21/2024	Iwona Zarych	WETCHEM_SCALE_4 (WC SC-4)	None	Jignesh Parikh
<u>FROM</u> 0.08500gram of W3111 + 100.00000ml of W3112 = Final Quantity: 100.000 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>
2457	COD Stock std-SS, 1000ppm	WP110195	10/14/2024	10/21/2024	Iwona Zarych	WETCHEM_SCALE_4 (WC SC-4)	None	Jignesh Parikh 10/17/2024

FROM 0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 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>
139	COD calibration std. 0 ppm	WP110196	10/14/2024	10/21/2024	Iwona Zarych	None	None	Jignesh Parikh 10/17/2024

FROM 10.00000ml of W3112 = Final Quantity: 10.000 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>
138	COD calibration std. 10 ppm	WP110197	10/14/2024	10/21/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/17/2024
<u>FROM</u> 9.90000ml of W3112 + 0.10000ml of WP110194 = Final Quantity: 10.000 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>
137	COD calibration std. 50 ppm	WP110198	10/14/2024	10/21/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/17/2024
FROM 9.50000ml of W3112 + 0.50000ml of WP110194 = Final Quantity: 10.000 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>
136	COD calibration std. 100 ppm	WP110199	10/14/2024	10/21/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/17/2024
<u>FROM</u> 9.00000ml of W3112 + 1.00000ml of WP110194 = Final Quantity: 10.000 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>
135	COD calibration std. 150 ppm	WP110200	10/14/2024	10/21/2024	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 10/17/2024
<u>FROM</u> 8.50000ml of W3112 + 1.50000ml of WP110194 = Final Quantity: 10.000 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>
2459	COD ICV-LCS std, 50ppm	WP110202	10/14/2024	10/21/2024	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 10/17/2024

FROM 9.50000ml of W3112 + 0.50000ml of WP110195 = Final Quantity: 10.000 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>
1597	0.04 N H2SO4	WP110335	10/22/2024	04/22/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	Iwona Zarych 10/22/2024

FROM 1.00000ml of M5673 + 999.00000ml 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>
740	sodium nitroferricyanide for ammonia	WP110416	10/25/2024	04/25/2025	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 10/25/2024
<u>FROM</u>	0.05000gram of W2666 + 99.95000ml of W3112 = Final Quantity: 100.000 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	WP110645	11/11/2024	11/12/2024	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC SC-5)	None	Mohan Bera 11/12/2024
<u>FROM</u>	0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 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>
3456	Cyanide Intermediate Working Std, 5PPM	WP110646	11/11/2024	11/12/2024	Niha Farheen Shaik	None	WETCHEM_FIPETTE_3 (WC)	Mohan Bera 11/12/2024

FROM 0.25000ml of W3142 + 49.75000ml of WP108640 = 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	WP110647	11/11/2024	11/12/2024	Niha Farheen Shaik	None	None	Mohan Bera 11/12/2024

FROM 45.00000ml of WP108640 + 5.00000ml of WP110646 = 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>
3761	Calibration-CCV CN Standard 250 ppb	WP110648	11/11/2024	11/12/2024	Niha Farheen Shaik	None	None	Mohan Bera
								11/12/2024

FROM 2.50000ml of WP110646 + 47.50000ml of WP108640 = 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	WP110649	11/11/2024	11/12/2024	Niha Farheen Shaik	None	None	Mohan Bera
								11/12/2024

FROM 1.00000ml of WP110646 + 49.00000ml of WP108640 = 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	WP110650	11/11/2024	11/12/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3	Mohan Bera
(WC)								
<u>FROM</u>	0.50000ml of WP110646 + 49.50000ml of WP108640 = 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	WP110651	11/11/2024	11/12/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3	Mohan Bera
(WC) FROM 1.00000ml of WP110647 + 49.00000ml of WP108640 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
9	Calibration Standard 5 ppb	WP110652	11/11/2024	11/12/2024	Niha Farheen Shaik	None	WETCHEM_FIPETTE_3 (WC)	Mohan Bera 11/12/2024
<u>FROM</u> 0.50000ml of WP110647 + 49.50000ml of WP108640 = 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>
167	0 ppb CN calibration std	WP110653	11/11/2024	11/12/2024	Niha Farheen Shaik	None	None	Mohan Bera
<u>FROM</u> 50.00000ml of WP108640 = 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>
2168	RCN ICV STD, 100 PPB	WP110654	11/11/2024	11/12/2024	Niha Farheen Shaik	None	None	Mohan Bera
								11/12/2024

FROM 1.00000ml of WP109549 + 49.00000ml of WP108640 = 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>
2456	COD Stock std, 1000ppm	WP110655	11/11/2024	11/18/2024	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC SC-5)	None	Mohan Bera
								11/12/2024

FROM 0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 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>
2457	COD Stock std-SS, 1000ppm	WP110656	11/11/2024	11/18/2024	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCS-5)	None	Mohan Bera
<u>FROM</u> 0.08500gram of W3111 + 100.00000ml of W3112 = Final Quantity: 100.000 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>
2458	COD CCV std, 50ppm	WP110657	11/11/2024	11/18/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3	Mohan Bera
(WC)								
<u>FROM</u>	9.50000ml of W3112 + 0.50000ml of WP110655 = Final Quantity: 10.000 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>
2459	COD ICV-LCS std, 50ppm	WP110658	11/11/2024	11/18/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3	Mohan Bera
(WC) FROM 9.50000ml of W3112 + 0.50000ml of WP110656 = Final Quantity: 10.000 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>
275	Ammonia Calibration Std. (2 ppm)	WP110674	11/13/2024	11/14/2024	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 11/14/2024
<u>FROM</u> 48.00000ml of W3112 + 2.00000ml of WP110180 = 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>
285	Ammonia CCV Std. (1 ppm)	WP110675	11/13/2024	11/14/2024	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 11/14/2024
FROM 49.00000ml of W3112 + 1.00000ml of WP110180 = 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>
286	Ammonia ICV Std. (1 ppm)	WP110676	11/13/2024	11/14/2024	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 11/14/2024
<u>FROM</u> 49.00000ml of W3112 + 1.00000ml of WP110181 = Final Quantity: 50.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	1234	12/25/2024	02/26/2024 / Rajesh	02/23/2024 / Rajesh	E3726

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	09/21/2023 / mohan	09/05/2023 / mohan	M5673

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	12/08/2024	06/24/2024 / Al-Terek	06/07/2024 / Al-Terek	M5929

CHEMICAL RECEIPT LOG BOOK

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	12/24/2024	06/24/2024 / Al-Terek	06/21/2024 / Al-Terek	M5943

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140440 / TEST PAPERS,PH,0-2.5,.2SENSI, 100PK	80A0441	02/29/2028	09/03/2024 / jignesh	08/19/2024 / Jaswal	M6069

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	WL13B	04/08/2025	04/08/2015 / apatel	04/08/2015 / apatel	W1992

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	XE09B	04/08/2025	04/08/2015 / apatel	04/08/2015 / apatel	W1993

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	87683 / Sodium Nitroferri cyanide 250g	W12F013	02/10/2030	02/10/2020 / apatel	02/10/2020 / apatel	W2666

CHEMICAL RECEIPT LOG BOOK

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 #
PCI Scientific Supply, Inc.	J3568-1 / Sodium Borate, 500 gms	2019111354	04/23/2025	04/23/2020 / apatel	03/11/2020 / apatel	W2700

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EMD-FX0410-5 / FORMALDEHYDE SOLUTION 450ML	60045	06/22/2025	08/19/2024 / lwona	06/22/2020 / apatel	W2725

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	201089	06/30/2025	12/23/2020 / apatel	12/16/2020 / apatel	W2784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U20E006	04/02/2026	04/02/2021 / apatel	04/02/2021 / apatel	W2817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P1060-10 / PHENOL, ACS, 500G	M13H048	01/07/2026	07/07/2021 / apatel	07/07/2021 / apatel	W2858

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	0000266903	05/04/2027	09/07/2021 / apatel	08/26/2021 / apatel	W2871

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	1.00132.0100	04/30/2025	12/07/2021 /	11/30/2021 / apatel	W2882

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J4296-1 / ZINC ACETATE,DIHYD,CRYS,ACS,500G	383058	07/05/2027	07/05/2022 / ketankumar	07/05/2022 / ketankumar	W2926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140730 / TEST PAPER,POT.IOD-STRCH,P K100,CS12	60799-008,260	09/19/2027	09/19/2022 / jignesh	09/19/2022 / jignesh	W2965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL13850-1 / Buffer Solution, PH2 (500ml)	4212E45	12/31/2024	01/31/2023 / lwona	01/31/2023 / lwona	W3005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	SHBP8192	02/27/2028	02/27/2023 / lwona	02/27/2023 / lwona	W3009

CHEMICAL RECEIPT LOG BOOK

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 / Iwona	04/03/2023 / Iwona	W3019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14455-3 / buffer solution pH 7 yellow	4308H30	07/31/2025	01/02/2024 / JIGNESH	12/06/2023 / Iwona	W3071

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14940-1 / Buffer Solution, PH12 (500ml)	2310P21	04/30/2025	01/02/2024 / JIGNESH	12/07/2023 / Iwona	W3072

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U23E020	02/26/2029	02/26/2024 / Iwona	02/26/2024 / Iwona	W3082

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	566002 / BUFFER PH 7.00 GREEN 1PINT PK6	44001f99	12/31/2025	04/03/2024 / jignesh	04/02/2024 / jignesh	W3093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1601-1 / PH 10.01 BUFFER,COLOR CD 475ML	4310g83	03/31/2025	04/03/2024 / jignesh	04/02/2024 / jignesh	W3094

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL69870-8 / SODIUM THIOSULFATE,0.025N,4LIT RE	4403S13	09/30/2025	04/22/2024 / lwona	04/22/2024 / lwona	W3105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14055-3 / PH 4 BUFFER SOLUTION	AL14055-3	02/27/2026	09/05/2024 / jignesh	05/13/2024 / jignesh	W3107

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	235898	02/28/2029	06/27/2024 / jignesh	06/26/2024 / jignesh	W3110

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24A1956910	01/18/2025	06/26/2024 / lwona	06/26/2024 / lwona	W3111

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

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 / lwona	07/08/2024 / lwona	W3113

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL35830-4 / IODINE SOLUTION .025N 1L	2405D89	05/31/2025	07/10/2024 / lwona	07/10/2024 / lwona	W3114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	13798	09/30/2027	10/31/2024 / lwona	07/25/2024 / lwona	W3124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC05050-1 / EDTA, disodium salt, dihydrate 1 lb	2ND0156	07/10/2026	07/26/2024 / lwona	07/26/2024 / lwona	W3132

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140476 / Test Paper,PH Short Range 9.0/10.0	L23	08/22/2029	08/22/2024 / lwona	08/22/2024 / lwona	W3133

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	44080060	01/30/2025	09/06/2024 / lwona	08/28/2024 / lwona	W3138

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 / lwona	09/09/2024 / lwona	W3139

CHEMICAL RECEIPT LOG BOOK

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	1405J81	11/30/2024	09/25/2024 / lwona	09/25/2024 / lwona	W3142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J9416-1 / Sodium Hypochlorite 500 ml	2407F34	01/31/2025	09/30/2024 / lwona	09/30/2024 / lwona	W3143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL70850-8 / Starch Solution, 4L	4408P62	08/31/2026	10/16/2024 / lwona	10/16/2024 / lwona	W3149

Certificate of Analysis



Date of Release: 12/18/2013

Product: Ammonium Chloride GR ACS

Catalog No.: AX1270 all
size codes

Grade: Meets ACS Specifications

CAS #: 12125-02-9

Country of Origin: India

FW: 53.49

Lot No.: WL13B



Characteristic	Requirement		Results	UOM
	Minimum	Maximum		
Assay (argentometric)	99.5		99.9	%
Calcium (Ca)		0.001	0.0001	%
Form	White crystals		White crystals	
Heavy metals (as Pb)		5	5	ppm
Identification	To pass test		Passes	
Insoluble matter		0.005	0.002	%
Iron (Fe)		2	2	ppm
Loss on drying (105 C)		0.5	0.21	%
Magnesium (Mg)		5	0.6	ppm
pH of a 5% solution at 25 C	4.5	5.5	4.76	
Phosphate (PO4)		2	2	ppm
Residue after ignition		0.01	0.002	%
Sulfate (SO4)		0.002	0.002	%

Joe Schoellkopf

Quality Control Manager

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

Certificate of Analysis



Date of Release: 5/12/2014

Product: Ammonium Chloride GR ACS

Catalog No.: AX1270 all
size codes

Grade: Meets ACS Specifications

CAS #: 12125-02-9

Country of Origin: India

FW: 53.49

Lot No.: XE09B



Characteristic	Requirement		Results	UOM
	Minimum	Maximum		
Assay (argentometric)	99.5		99.8	%
Calcium (Ca)		0.001	0.0001	%
Form	White crystals		White crystals	
Heavy metals (as Pb)		5	5	ppm
Identification	To pass test		Passes	
Insoluble matter		0.005	0.002	%
Iron (Fe)		2	2	ppm
Loss on drying (105 C)		0.5	0.22	%
Magnesium (Mg)		5	0.7	ppm
pH of a 5% solution at 25 C	4.5	5.5	4.95	
Phosphate (PO4)		2	2	ppm
Residue after ignition		0.01	0.002	%
Sulfate (SO4)		0.002	0.002	%

Joe Schoellkopf

Quality Control Manager

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

Hexadecane, 99.0%



Material No.: H223-57
Batch No.: 0000266903
Manufactured Date: 2020/05/05
Retest Date: 2027/05/04
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ($\text{CH}_3(\text{CH}_2)_{14}\text{CH}_3$) (by GC)	$\geq 99.0 \%$	99.3
Infrared Spectrum	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: US
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

W2858 Received by AP on 07/07/2021

Product No.: 33213
Product: Phenol, ACS, 99+%, stab.
Lot No.: M13H048

Test	Limits	Results
Assay	99.0 % min	99.8 %
Freezing point	40.5°C min	40.5 °C
Clarity of solution	To pass test	Passes
Residue after evaporation	0.05 % max	< 0.05 %
Water	0.5 % max	0.2 %

Retest date: January 7, 2026

Order our products online [alfa.com](https://www.alfa.com)**This document has been electronically generated and does not require a signature.**

This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.

W2666 Recived on 02/10/2020 by AP

Product No.: 87683

Product: Sodium pentacyanonitrosylferrate(III) dihydrate, ACS,
99.0-102.0%

Lot No.: W12F013

Test	Limits	Results
Assay	99.0 - 102.0 %	99.67 %
Insoluble	0.01 % max	0.0079 %
Chloride	0.02 % max	Not detected
Sulfate	To pass test	Passes test
Aqueous solubility	To pass test	Passes test
Limit on Ferricyanide	To pass test	Passes test
Limit on Ferrocyanide	To pass test	Passes test

Order our products online [alfa.com](https://www.alfa.com)**This document has been electronically generated and does not require a signature.**

This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.

Product Name: Stearic acid, 98%, Thermo Scientific Chemicals
Catalog Number: A12244.14

CAS Number: 57-11-4
Molecular Formula: C₁₈H₃₆O₂
Molecular Weight: 284.48
InChI Key: QIQXTHQIDYTRH-UHFFFAOYSA-N
SMILES: CCCCCCCCCCCCCCCC(O)=O
Synonym: stearic acid acide stearique hydrofol acid 1855 hydrofol acid 1655 industrene 5016
stearic acid, ion(1-) (8Cl) glycon TP glycon DP acidum stearinicum hydrofol acid 150

Product Specification

Appearance (Color): White
Form: Crystals or powder or crystalline powder or flakes or waxy solid
Assay (Silylated GC): ≥97.5%
Melting Point (clear melt): 67.0-74.0°C

Date Of Print: 11/30/2023

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.


W3071
Rec 12/6/23

Certificate of Analysis 12

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 4308H30

Product Number: 1551

Manufacture Date: AUG 09, 2023

Expiration Date: JUL 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Yellow liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.002	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1551-2.5	10 L Cubitainer®	24 months
1551-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (08/09/2023)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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

W3009
rec. 2/27/2023 12

Product Name:

Hexadecane - ReagentPlus®, 99%

Certificate of Analysis

Product Number:

H6703

Batch Number:

SHBP8192

 $\text{CH}_3(\text{CH}_2)_{14}\text{CH}_3$

Brand:

SIAL

CAS Number:

544-76-3

MDL Number:

MFCD00008998

Formula:

C16H34

Formula Weight:

226.44 g/mol

Quality Release Date:

04 AUG 2022

Test	Specification	Result
Appearance (Color)	Colorless or White	Colorless
Appearance (Form)	Liquid or Solid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Refractive index at 20 ° C	1.432 - 1.436	1.435
Purity (GC)	≥ 98.5 %	99.3 %
Color Test	≤ 20 APHA	< 5 APHA


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.



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:

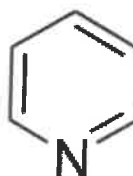
C₅H₅N

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.





RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
<http://www.riccachemical.com>
1-888-GO-RICCA
customerservice@riccachemical.com

W 3072
REC. 12/01/23
12

Certificate of Analysis

Buffer, Reference Standard, pH 12.00 ± 0.01 at 25°C

Lot Number: 2310P21

Product Number: 1615

Manufacture Date: OCT 24, 2023

Expiration Date: APR 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.

°C	15	20	25	30	35	40
pH	12.35	12.17	11.99	11.78	11.62	11.46

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed

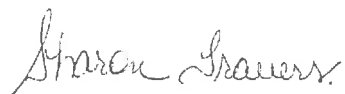
*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	12.005	0.02	186-I-g, 186-II-g, 191d

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1615-1	4 L natural poly	18 months
1615-16	500 mL clear PET-G	18 months
1615-32	1 L natural poly	18 months
1615-5	20 L Cubitainer®	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Sharon Travers (10/24/2023)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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



Certificate of Analysis

Date of Release: 2/26/2020

Name: Formaldehyde Solution
GR ACS
Meets ACS Specifications

Item No: FX0410 all size codes

Lot / Batch No: 60045

Country of Origin: USA

Characteristic	Requirement		Results	Units
	Min.	Max.		
Assay	36.5	38.0	36.71	%
Chloride (Cl)		5	<5	ppm
Color (APHA)		10	<10	
Form			Passes test	
Heavy metals (as Pb)		5	<5	ppm
Iron (Fe)		5	0.6	ppm
Residue after ignition		0.005	<0.0050	%
Sulfate (SO ₄)		0.002	<0.0020	%
Titration acid		0.006	<0.0060	meq/g

Heather Sinn,

Quality Control Manager

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

EMD Millipore Corporation, an affiliate of Merck KGaA, Darmstadt, Germany
290 Concord Road
Billerica, MA 01821
U.S.A

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.

Certificate Of Analysis



Date of Release: 11/14/2019

W2700 Recived by AP on 3/11/2020

Name: **Sodium Borate, Decahydrate**
ACS

Item No: **SX0355 All Sizes**

Lot / Batch No: **2019111354**

Country of Origin: **India**

Item	Specifications	Analysis
Assay (Na ₂ B ₄ O ₇ • 10H ₂ O)	99.5 - 105.0%	101.7%
Calcium (Ca)	0.005% max.	0.003%
Chloride (Cl)	0.001% max.	<0.001%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy Metals (as Pb)	0.001% max.	<0.001%
Insoluble Matter	0.005% max.	0.002%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.01 M solution at 25C	9.15 - 9.20	9.17
Phosphate (PO ₄)	0.001% max.	<0.001%
Sulfate (SO ₄)	0.005% max.	<0.005%

Joe Schoellkopf

Quality Control Manager

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

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation

400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Certificate of Analysis

1 Reagent Lane

Fair Lawn, NJ 07410

201.796.7100 tel

201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	P243	Quality Test / Release Date	06/19/2020
Lot Number	201089		
Description	POTASSIUM HYDROGEN PHTHALATE, ACIDIMETRIC STANDARD, A.C.S.		
Country of Origin	Spain	Suggested Retest Date	Jun/2025
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	WHITE CRYSTALS
ASSAY POTASSIUM HYDROGEN PHTHALATE	%	Inclusive Between 99.95 - 100.05	100.03
CHLORINE COMPOUNDS	%	<= 0.003	<0.003
HEAVY METALS (as Pb)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
PH OF 0.05M SOLUTION		Inclusive Between 4.00 - 4.02	4.00
SODIUM (Na)	%	<= 0.005	<0.005
SULFUR COMPOUNDS	%	<= 0.002	<0.002%
TRACEABLE TO NIST	SOD CARBONATE	= LOT 351a	351a
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	84L



Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

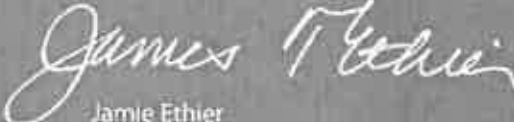
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

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

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

E 2865


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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



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	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

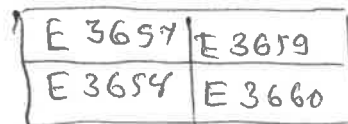
This document has been electronically produced and is valid without a signature.

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.



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

 **avantor**™



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

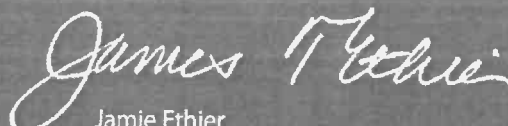


Material No.: 9673-33
Batch No.: 23D2462010

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™



MS943 MS944
MS945 MS946

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



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

 **avantor™**

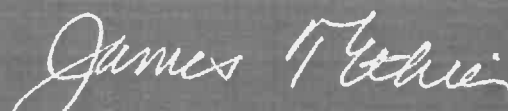


Material No.: 9530-33
Batch No.: 22G2862015

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


Jamie Ethier
Vice President Global Quality



Certificate of Analysis

Product information

Product	pH-Fix 0.3-2.3
REF	92180
LOT	80A0441
Expiration date:	29.02.2028
Date of examination:	23.01.2024
Gradation:	pH 0.3-0.7-1.0-1.3-1.6-1.9-2.3

Confirmation

Hereby we confirm, that the above mentioned product has successfully passed our quality control system in accordance with ISO 9001 and meets the specific quality criteria.

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





Certificate of Analysis

1.00132.0000 Barbituric acid for analysis EMSURE®
Batch N020065932

	Spec. Values		Batch Values	
Assay (acidimetric)	≥ 99	%	99.6	%
Identity (IR-spectrum)	passes test		passes test	
Chloride (Cl)	≤ 40	ppm	≤ 40	ppm
Heavy metals (as Pb)	≤ 50	ppm	≤ 50	ppm
Fe (Iron)	≤ 10	ppm	≤ 10	ppm
Sulfated ash	≤ 0.1	%	≤ 0.1	%
Loss on Drying (105 °C)	≤ 0.1	%	≤ 0.1	%
Suitability as reagent (for cyanide determination)	passes test		passes test	

Date of release (DD.MM.YYYY) 17.04.2020
Minimum shelf life (DD.MM.YYYY) 30.04.2025

Ioannis Chartomatsidis
Responsible laboratory manager quality control

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

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

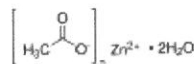
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Certificate of Analysis

Product Name:

Zinc acetate dihydrate - ACS reagent, $\geq 98\%$

Product Number: 383058
Batch Number: MKCQ9159
Brand: SIGALD
CAS Number: 5970-45-6
MDL Number: MFCD00066961
Formula: $C_4H_6O_4Zn \cdot 2H_2O$
Formula Weight: 219.51 g/mol
Quality Release Date: 06 JAN 2022



W2926
Open 7/5/22
received
on
7/5/22

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	$\leq 0.005\%$	0.003 %
Calcium (Ca)	$\leq 0.005\%$	0.003 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 5 ppm
Potassium (K)	$\leq 0.01\%$	0.00 %
Magnesium (Mg)	$\leq 0.005\%$	0.003 %
Sodium (Na)	$\leq 0.05\%$	0.03 %
Lead (Pb)	$\leq 0.002\%$	$< 0.001\%$
pH	6.0 - 7.0	6.1
Sulfate (SO ₄)	$\leq 0.005\%$	$< 0.005\%$
Complexometric EDTA	98.0 - 101.0 %	100.3 %
Meets ACS Requirements	Meets Requirements	Meets Requirements


Larry Coers, Director
Quality Control
Milwaukee, 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.



**RICCA CHEMICAL COMPANY®**

W 3005

REC- 1/31/23

12

1490 Lammers Pike

Batesville, IN 47006

<http://www.riccachemical.com>

1-888-GO-RICCA

customerservice@riccachemical.com

Certificate of Analysis

Buffer, Reference Standard, pH 2.00 ± 0.01 at 25°C**Lot Number: 4212E45****Product Number: 1493****Manufacture Date: DEC 20, 2022****Expiration Date: DEC 2024**

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	10	15	20	25	30	35	40	45	50
pH	1.93	1.98	1.98	2.00	2.01	2.03	2.03	2.04	2.04

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	2.000	0.02	185i, 186-I-g, 186-II-g

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1493-1	4 L natural poly	24 months
1493-16	500 mL natural poly	24 months
1493-32	1 L natural poly	24 months
1493-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (12/20/2022)

Production Manager

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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

Certificate of analysis

W3082 Received on 2/26/2026 by IZ

Product No.: A12244
Product: Stearic acid, 98%
Lot No.: U23E020

Appearance White flakes
Assay 98.7 %

This document has been electronically generated and does not require a signature.

Order our products online www.alfa.com

ThermoFisher
S C I E N T I F I C

**RICCA CHEMICAL COMPANY®**

1490 Lammers Pike

Batesville, IN 47006

<http://www.riccachemical.com>

1-888-GO-RICCA

customerservice@riccachemical.com

Certificate of Analysis

W3093
094121
04/03/2024
16

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)**Lot Number:** 4401F99**Product Number:** 1551**Manufacture Date:** JAN 08, 2024**Expiration Date:** DEC 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	

Test	Specification	Result
Appearance	Yellow liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.004	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1551-1	4 L natural poly	24 months
1551-1CT	4 L Cubitainer®	24 months
1551-2.5	10 L Cubitainer®	24 months
1551-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (01/08/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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



Certificate of Analysis

Buffer, Reference Standard, pH 10.00 ± 0.01 at 25°C (Color Coded Blue)

Lot Number: 4310G83

Product Number: 1601

Manufacture Date: OCT 09, 2023

Expiration Date: MAR 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	50
pH	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	
Blue Dye	Proprietary	

Test	Specification	Result
Appearance	Blue liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	10.003	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer C	ASTM (D 5464)
Buffer C	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1601-16	500 mL natural poly	18 months
1601-5	20 L Cubitainer®	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (10/09/2023)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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

Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13

Product Number: 7900

Manufacture Date: MAR 29, 2024

Expiration Date: SEP 2025

This product is specially formulated to increase its stability. A preservative is added to prevent bacterial contamination. However, all Sodium Thiosulfate solutions are subject to slow chemical deterioration and should be restandardized periodically.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Iodate/Starch)	0.02499-0.02501 N at 20°C	0.02501 N at 20°C	136

Specification	Reference
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-CI B)
Standard Sodium Thiosulfate Titrant	APHA (4500-O C)
Standard Sodium Thiosulfate Titrant, 0.025 M	APHA (5530 C)
Standard Sodium Thiosulfate Solution (0.025 N)	EPA (SW-846) (9031)
Standard Sodium Thiosulfate solution (0.025 N)	EPA (SW-846) (9034)

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)
7900-1	4 L natural poly	18 months
7900-16	500 mL natural poly	18 months
7900-1CT	4 L Cubitainer®	18 months
7900-32	1 L natural poly	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (03/29/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

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



Certificate of Analysis

Buffer, Reference Standard, pH 4.00 ± 0.01 at 25°C (Color Coded Red)

Lot Number: 4403F90

Product Number: 1501

Manufacture Date: MAR 09, 2024

Expiration Date: FEB 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST Traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial
Red Dye	Proprietary	Purified

Test	Specification	Result
Appearance	Red liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	4.000	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer B	ASTM (D 5464)
Buffer B	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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)
1501-2.5	10 L Cubitainer®	24 months
1501-32	1 L natural poly	24 months
1501-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (03/09/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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

W3110
58
operate!
06/27/2024

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	02/23/2024
Lot Number	235898		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Feb/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	73
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.670
EVAPORATION RESIDUE	ppm	<= 1	0.3
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.64
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.16
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.06
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.002
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.380
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian
Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



POTASSIUM HYDROGEN PHTHALATE

Material: N983
Grade: ACS GRADE
Batch Number: 24A1956910

Chemical Formula: HOCC6H4COOK
Molecular Weight: 204.22
CAS #: 877-24-7
Appearance:

Manufacture Date: 01/19/2022
Reassay Date: 01/18/2025

Storage: Room Temperature

White crystals.

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Assay (dried basis)	99.95 - 100.05 %	99.97 %	PASS
Chlorine Compounds	<= 0.003 %	<0.003 %	PASS
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm	PASS
Insoluble Matter	<= 0.005 %	0.003 %	PASS
Iron	<= 5 ppm	<5 ppm	PASS
pH (0.05M, Water) @25C	4.00 - 4.02	4.00	PASS
Sodium	<= 0.005 %	<0.005 %	PASS
Sulfur Compounds	<= 0.002 %	<0.002 %	PASS

Spec Set: N983ACS

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.



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.

Certificate of Analysis

Iodine (Iodine-Iodide), 0.0250 Normal (N/40), 1 mL = 0.4008 mg S²⁻

Lot Number: 2405D89

Product Number: 3975

Manufacture Date: MAY 10, 2024

Expiration Date: MAY 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Dark brown liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	0.02498-0.02502 N at 20°C	0.02502 N at 20°C	136

Specification	Reference
Standard Iodine Solution, 0.0250 N	APHA (4500-S2- F)
Iodine Solution (approximately 0.025 N)	EPA (SW-846) (9031)
Standard Iodine Solution, 0.0250 N	EPA (376.1)
Iodine Solution (approximately 0.025 N)	EPA (SW-846) (9034)

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)
3975-1	4 L amber glass	12 months
3975-16	500 mL amber glass	12 months
3975-32	1 L amber glass	12 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Jose Pena (05/10/2024)
Operations Manager

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

W 3122 . fee. 7/25/24
W 3123 12
W 3124
W 3125 Exp. 9/30/27
W 3126

ENVIRONMENTAL EXPRESS
Charleston, SC USA
www.envexp.com
(800) 343-5319

October 20, 2022

CERTIFICATE OF ANALYSIS

Environmental Express certifies that the following COD Reagent Vials have been rigorously checked against NIST Traceable standards and also compared for conformance to another major brand name product. Environmental Express COD Vial performance is evaluated using bench top spectrophotometers. Acceptance guidelines are strict and ensure dependable, quality results.

Environmental Express further certifies that the COD products listed below are recognized by the United States Environmental Protection Agency (USEPA) as equivalent to an approved Water Pollutant Testing Procedure for COD (Federal Register, Vol. 45, No. 78, Monday, April 20th, 1980, page 26811) and as such can be used for National Pollution Discharge Elimination System (NPDES) reporting.

<u>Cat. No.</u>	<u>Lot No.</u>	<u>Product Description</u>
B1010	13798	COD Reagent Vials, 0 - 150 ppm

Item Number	ED150	Lot Number	2ND0156
Item	Edetate Disodium, Dihydrate, USP	CAS Number	6381-92-6
Molecular Formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$	Molecular Weight	372.24

TEST	SPECIFICATION		RESULT
	MIN	MAX	
ASSAY (DRIED BASIS)	99.0	101.0 %	99.5 %
pH OF A 5% SOLUTION @ 25°C	4.0	6.0	4.6
LOSS ON DRYING	8.7	11.4 %	8.90 %
CALCIUM (Ca)	NO PRECIPITATE IS FORMED		NO PRECIPITATE IS FORMED
ELEMENTAL IMPURITIES:			.
NICKEL (Ni)	AS REPORTED		<0.3 ppm
CHROMIUM (Cr)	AS REPORTED		<0.3 ppm
NITRILOTRIACETIC ACID[n[(HOCOCH ₂) ₃ N]		0.1 %	<0.10 %
IDENTIFICATION A	MATCHES REFERENCE		MATCHES REFERENCE
IDENTIFICATION B	RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION		RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION
IDENTIFICATION C	MEETS THE REQUIREMENTS FOR SODIUM		MEETS THE REQUIREMENTS FOR SODIUM
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			10-JUL-2026
DATE OF MANUFACTURE			11-JUL-2023
APPEARANCE			WHITE CRYSTALLINE POWDER
RESIDUAL SOLVENTS		AS REPORTED	NO RESIDUAL SOLVENTS PRESENT
MONOGRAPH EDITION			USP 2024

Certificate of Analysis Results Entered By:

CACEVEDO
Charmian Acevedo
22-MAY-24 08:12:30

Certificate of Analysis Results Approved By:

GHERRERA
Genaro Herrera
22-MAY-24 12:32:01

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ



All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

The Elemental Impurities standards implemented by USP and other Pharmaceutical Compendia reflect a growing understanding of the toxicology of trace levels of elemental impurities that can remain in drug substances originating from either raw materials or manufacturing processes. Identifying and quantifying impurities can be critical to predicting the best possible patient outcomes. Elemental Impurities has been a requirement of all products meeting USP/NF, EP and BP monographs since January 1, 2018. More information can be found in USP sections <232> Elemental Impurities – Limits and <233> Elemental Impurities – Procedures. Data for drug substances furnished by Spectrum Chemical Mfg. Corp can be used to ensure that patient daily exposures by oral administration to the selected elements are not exceeded in the formulation of pharmaceutical products.



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: August 01, 2024

Lot Number: **44080060**

Expiration Date: January 30, 2025

Test	Specification	Result
Appearance (clarity)	clear solution	clear solution
Appearance (color)	colorless	colorless
Concentration (CN)	0.990 - 1.010mg/mL	1.008mg/mL
Concentration (CN)	990 - 1,010ppm	1,008ppm
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 standards.

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 or g	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

ISO9001:2015 Registration #0306-01

2024080113:32:16bsturges-0-0

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.

Certificate of Analysis

Cyanide Standard, 1000 ppm CN⁻

Lot Number: 1405J81

Product Number: 2543

Manufacture Date: MAY 20, 2024

Expiration Date: NOV 2024

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

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
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)



Heidi J Green (05/20/2024)
Operations Manager

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

Certificate of Analysis

Sodium Hypochlorite Solution, 5% available Chlorine

Lot Number: 2407F34**Product Number:** 7495.5**Manufacture Date:** JUL 12, 2024**Expiration Date:** JAN 2025

This solution is subject to slow decomposition upon exposure to air. Keep container tightly capped. Refrigeration may improve stability.
When used in the Phenate method for Ammonia, APHA recommends replacing this solution about every 2 months.

Name	CAS#	Grade
Water	7732-18-5	Commercial
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	Result	NIST SRM#
Appearance	Colorless to greenish-yellow liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	4.75-5.25 % (w/w) Cl ₂	5.05 % (w/w) Cl ₂	136

Specification	Reference
Sodium Hypochlorite, 5%	APHA (4500-NH3 F)
Sodium Hypochlorite	ASTM (D 4785)

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)
7495.5-1	4 L black poly	6 months
7495.5-16	500 mL amber poly	6 months
7495.5-32	1 L amber poly	6 months
7495.5-8	250 mL amber poly	6 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (07/12/2024)
Operations Manager

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



Certificate of Analysis

Starch Indicator, 0.5% (w/v), Mercury Free, for Iodometric Titrations

Lot Number: 4408P62

Product Number: 8000

Manufacture Date: AUG 28, 2024

Expiration Date: AUG 2026

This product is Mercury-free.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification	Result
Appearance	White translucent liquid	Passed
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)	Passed

Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-CI B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-CI C)
Starch Indicator	EPA (345.1)

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)
8000-1	4 L natural poly	24 months
8000-16	500 mL natural poly	24 months
8000-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

A handwritten signature in blue ink that reads "Paul Brandon". The signature is fluid and cursive, with the first name "Paul" and last name "Brandon" clearly distinguishable.

Paul Brandon (08/28/2024)
Production Manager

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

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/12/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133390

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4781-01	MC0DA8	1	1.17	8.57	9.74	8.51	85.6	
P4781-02	MC0DA8D	2	1.17	8.57	9.74	8.51	85.6	
P4781-03	MC0DA8S	3	1.17	8.57	9.74	8.51	85.6	
P4799-02	WC-TA2-02-C	4	1.12	8.70	9.82	8.27	82.2	
P4799-06	WC-TA2-03-C	5	1.15	8.54	9.69	8.1	81.4	
P4799-10	WC-TA1-01-C	6	1.16	8.65	9.81	8.45	84.3	
P4799-14	WC-TA1-02-C	7	1.15	8.70	9.85	8.38	83.1	
P4799-18	WC-TA1-03-C	8	1.13	8.67	9.8	8.22	81.8	
P4807-01	TP-7	9	1.17	8.58	9.75	8.87	89.7	
P4807-02	TP-7-EPH	10	1.16	8.45	9.61	8.83	90.8	
P4807-03	TP-7-VOC	11	1.19	8.42	9.61	8.83	90.7	
P4807-05	BF-F14	12	1.12	8.75	9.87	8.9	88.9	
P4807-06	BF-F14-EPH	13	1.14	8.67	9.81	8.81	88.5	
P4807-07	BF-F14-VOC	14	1.13	8.70	9.83	8.88	89.1	
P4807-09	BF-F13	15	1.14	8.80	9.94	9.00	89.3	
P4807-10	BF-F13-EPH	16	1.16	8.75	9.91	9.00	89.6	
P4807-11	BF-F13-VOC	17	1.13	8.74	9.87	8.95	89.5	
P4807-13	TP-6	18	1.16	8.48	9.64	8.78	89.9	
P4807-14	TP-6-EPH	19	1.12	8.76	9.88	8.89	88.7	
P4807-15	TP-6-VOC	20	1.15	8.83	9.98	9.07	89.7	
P4809-01	MH-5	21	1.18	8.54	9.72	8.93	90.7	
P4809-02	MH-5-EPH	22	1.15	8.43	9.58	8.72	89.8	
P4809-03	MH-5-VOC	23	1.18	8.57	9.75	8.89	90.0	
P4811-01	RB24008	24	1.15	8.43	9.58	7.6	76.5	
P4811-02	RB24008-E2	25	1.16	8.56	9.72	5.93	55.7	
P4812-01	RBR200035	26	1.15	8.40	9.55	7.99	81.4	
P4812-02	RBR200035-E2	27	1.15	8.81	9.96	8.3	81.2	
P4813-02	417	28	1.00	1.00	2.00	2.00	100.0	debris



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/12/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133390

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4813-03	418	29	1.00	1.00	2.00	2.00	100.0	debris
P4813-05	420	30	1.19	8.51	9.7	9.54	98.1	
P4814-01	13A	31	1.00	1.00	2.00	2.00	100.0	pilc
P4814-02	13B	32	1.00	1.00	2.00	2.00	100.0	pilc
P4814-03	14A	33	1.00	1.00	2.00	2.00	100.0	pilc
P4814-04	14B	34	1.00	1.00	2.00	2.00	100.0	pilc
P4814-05	15A	35	1.00	1.00	2.00	2.00	100.0	pilc
P4814-06	16A	36	1.00	1.00	2.00	2.00	100.0	pilc
P4814-07	16B	37	1.00	1.00	2.00	2.00	100.0	pilc
P4814-08	17A	38	1.00	1.00	2.00	2.00	100.0	pilc
P4814-09	17B	39	1.00	1.00	2.00	2.00	100.0	pilc
P4814-10	18A	40	1.00	1.00	2.00	2.00	100.0	pilc
P4814-11	18B	41	1.00	1.00	2.00	2.00	100.0	pilc
P4814-12	19A	42	1.00	1.00	2.00	2.00	100.0	pilc
P4814-13	19B	43	1.00	1.00	2.00	2.00	100.0	pilc
P4815-01	BC271242-1-1	44	1.00	1.00	2.00	2.00	100.0	pilc
P4815-02	BC271242-1-2	45	1.00	1.00	2.00	2.00	100.0	pilc
P4815-03	BC271332-1-1	46	1.00	1.00	2.00	2.00	100.0	pilc
P4815-04	BC271332-1-2	47	1.00	1.00	2.00	2.00	100.0	pilc
P4816-01	331	48	1.16	8.50	9.66	9.43	97.3	
P4816-02	331-E2	49	1.19	8.43	9.62	9.42	97.6	

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

WORKLIST(Hardcopy Internal Chain)

133390

WorkList Name : %1-111124

WorkList ID : 185333

Department : Wet-Chemistry

Date : 11-11-2024 12:43:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4781-01	MC0DA8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	11/05/2024	Chemtech -SO
P4781-02	MC0DA8D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	11/05/2024	Chemtech -SO
P4781-03	MC0DA8S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	11/05/2024	Chemtech -SO
P4799-02	WC-TA2-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	10/30/2024	Chemtech -SO
P4799-06	WC-TA2-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/01/2024	Chemtech -SO
P4799-10	WC-TA1-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/04/2024	Chemtech -SO
P4799-14	WC-TA1-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/05/2024	Chemtech -SO
P4799-18	WC-TA1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/06/2024	Chemtech -SO
P4807-01	TP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-05	BF-F14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-06	BF-F14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-07	BF-F14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-09	BF-F13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-10	BF-F13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-11	BF-F13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-13	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-14	TP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4807-15	TP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/09/2024	Chemtech -SO
P4809-01	MH-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/11/2024	Chemtech -SO

Date/Time 11/11/24 16:10

Raw Sample Received by: JH WCC

Raw Sample Relinquished by: RJ C F24-1006

Date/Time 11/11/24

Raw Sample Received by: RJ C F24-1006

Raw Sample Relinquished by: JH WCC

WORKLIST(Hardcopy Internal Chain)

133390

WorkList Name : %1-111124

WorkList ID : 185333

Department : Wet-Chemistry

Date : 11-11-2024 12:43:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4809-02	MH-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/11/2024	Chemtech -SO
P4809-03	MH-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/11/2024	Chemtech -SO
P4811-01	RB24008	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4811-02	RB24008-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4812-01	RBR200035	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/11/2024	Chemtech -SO
P4812-02	RBR200035-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/11/2024	Chemtech -SO
P4813-02	417	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4813-03	418	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4813-05	420	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4814-01	13A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4814-02	13B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-03	14A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-04	14B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-05	15A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-06	16A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-07	16B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-08	17A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-09	17B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-10	18A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-11	18B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4814-12	19A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO

Date/Time 11-11-24 16:00
 Raw Sample Received by: JH wcy
 Raw Sample Relinquished by: RJ CEST-1040

Date/Time 11-11-24 18:10
 Raw Sample Received by: RJ CEST-1040
 Raw Sample Relinquished by: JH wcy

WORKLIST(Hardcopy Internal Chain)

133390

WorkList Name : %1-111124

WorkList ID : 185333

Department : Wet-Chemistry

Date : 11-11-2024 12:43:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4814-13	19B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4815-01	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4815-02	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4815-03	BC271332-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4815-04	BC271332-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4816-01	331	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO
P4816-02	331-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/11/2024	Chemtech -SO

Date/Time 11-11-24 16:00
 Raw Sample Received by: JQ WDC
 Raw Sample Relinquished by: RJ CEF-1066

Date/Time 11-11-24 18:10
 Raw Sample Received by: RJ CEF-1066
 Raw Sample Relinquished by: JQ WDC



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:

P4799

COC Number: 2042103

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*

HARD COPY: DAYS*

EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E	E	E
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9
1.	WC-TA2-02-G	Soil		X	11/8	13:00	1	X								
2.	WC-TA2-02-C	Soil	X		10/30	13:00	11		X	X	X	X	X	X	X	X
3.	WC-TA2-03-G	Soil		X	11/8	13:00	1	X								
4.	WC-TA2-03-C	Soil	X		11/1	13:00	11		X	X	X	X	X	X	X	X
5.	WC-TA1-01-G	Soil		X	11/8	13:00	1	X								
6.	WC-TA1-01-C	Soil	X		11/4	13:00	11		X	X	X	X	X	X	X	X
7.	WC-TA1-02-G	Soil		X	11/8	13:00	1	X								
8.	WC-TA1-02-C	Soil	X		11/5	13:00	11		X	X	X	X	X	X	X	X
9.	WC-TA1-03-G	Soil		X	11/8	13:00	1	X								
10.	WC-TA1-03-C	Soil	X		11/6	13:00	11		X	X	X	X	X	X	X	X

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 11/5 14:30	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>15.4°</u> ☐ Ice in Cooler?: _____
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight Page 1 of 2

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4799

COC Number: 2042103

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309

LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
10	11	12	13	14	15	16		

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: DAYS*
EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9
1.	WC-TA2-02-G	Soil		X	11/8	13:00	1									
2.	WC-TA2-02-C	Soil	X		10/30	13:00	11	X	X	X	X	X	X	X		
3.	WC-TA2-03-G	Soil		X	11/8	13:00	1									
4.	WC-TA2-03-C	Soil	X		11/1	13:00	11	X	X	X	X	X	X	X		
5.	WC-TA1-01-G	Soil		X	11/8	13:00	1									
6.	WC-TA1-01-C	Soil	X		11/4	13:00	11	X	X	X	X	X	X	X		
7.	WC-TA1-02-G	Soil		X	11/8	13:00	1									
8.	WC-TA1-02-C	Soil	X		11/5	13:00	11	X	X	X	X	X	X	X		
9.	WC-TA1-03-G	Soil		X	11/8	13:00	1									
10.	WC-TA1-03-C	Soil	X		11/6	13:00	11	X	X	X	X	X	X	X		

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 11/5 14:30	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 15.4C ☐ Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	
Page 2 of 2			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
			Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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