

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

Cover Page

Order ID:	P5279
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Project ID: MTA Rockaway Park

Client: Tully Construction Co., Inc.

Lab Sample Number Client Sample Number

P5279-01 ROCKAWAY-PARK P5279-02 ROCKAWAY-PARK P5279-03 ROCKAWAY-PARK

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

Signature :		
oignature .	Date:	12/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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 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						
Н	Sample Analysis Out Of Hold Time						





APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5279

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	<u> </u>
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<u> </u>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	<u> </u>
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u> </u>
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u> </u>
Was client requirement followed?	<u> </u>
Does the case narrative summarize all QC failure?	<u> </u>
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

QA Review Signature: NILESH PRAJAPATI Date: 12/21/2024



LAB CHRONICLE

OrderID: P5279

Client: Tully Construction Co., Inc.

Contact: Dean Devoe

OrderDate: 12/13/2024 12:03:00 PM

Project: MTA Rockaway Park Location: L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5279-02	ROCKAWAY-PARK	SOIL			12/13/24			12/13/24
					08:20			
			Corrosivity	9045D			12/18/24	
							08:40	
			Ignitability	1030			12/19/24	
							13:10	
			Reactive Cyanide	9012B		12/19/24	12/19/24	
							12:10	
			Reactive Sulfide	9034		12/17/24	12/17/24	
							11:13	



SAMPLE DATA



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

Fax: 908 789 8922

Report of Analysis

Client: Tully Construction Co., Inc. Date Collected: 12/13/24 08:20 Project: MTA Rockaway Park Date Received: 12/13/24 Client Sample ID: ROCKAWAY-PARK SDG No.: P5279 Lab Sample ID: P5279-02 Matrix: SOIL

% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.90	Н	1	0	0	pН		12/18/24 08:40	9045D
Ignitability	NO		1	0	0	oC		12/19/24 13:10	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	12/19/24 09:00	12/19/24 12:10	9012B
Reactive Sulfide	4.74	J	1	0.19	10.0	mg/Kg	12/17/24 09:00	12/17/24 11:13	9034

Comments: pH result reported at temperature 20.4 °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



QC RESULT SUMMARY



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

Fax: 908 789 8922

Initial and Continuing Calibration Verification

Client: Tully Construction Co., Inc. SDG No.: P5279

Project: MTA Rockaway Park RunNo.: LB133987

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	рН	7.00	7	100	90-110	12/18/2024
Sample ID: Corrosivity	CCV1	рН	2.02	2.00	101	90-110	12/18/2024
Sample ID: Corrosivity	CCV2	рН	12.02	12.00	100	90-110	12/18/2024



Initial and Continuing Calibration Verification

Client: Tully Construction Co., Inc. SDG No.: P5279

Project: MTA Rockaway Park RunNo.: LB134015

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1 Cyanide	mg/L	0.098	0.099	99	85-115	12/19/2024
Sample ID:	CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	12/19/2024
Sample ID: Reactive	CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	12/19/2024
Sample ID: Reactive	CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	12/19/2024





Initial and Continuing Calibration Blank Summary

Client: Tully Construction Co., Inc. SDG No.: P5279

Project: MTA Rockaway Park RunNo.: LB134015

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	12/19/2024
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	Ū	0.00099	0.005	12/19/2024
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/19/2024
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	Ū	0.00099	0.005	12/19/2024





Preparation Blank Summary

Client: Tully Construction Co., Inc. SDG No.: P5279

Project: MTA Rockaway Park

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB16567 Reactive Sulfide	71BL mg/Kg	< 5.0000	5.0000	U	0.186	10	12/17/2024
Sample ID: PB16574 Reactive Cyanide	12BL mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	12/19/2024



 $284 \; Sheffield \; Street, \; Mountainside, \; New \; Jersey \; 07092, \; Phone: \; 908 \; 789 \; 8900, \\$

Fax: 908 789 8922

Duplicate Sample Summary

Client: Tully Construction Co., Inc. SDG No.: P5279

Project: MTA Rockaway Park **Sample ID:** P5279-02

Client ID: ROCKAWAY-PARKDUP 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
Reactive Sulfide	mg/Kg	+/-20	4.74	J	4.74	J	1	0		12/17/2024
Corrosivity	pН	+/-20	8.90		8.91		1	0.11		12/18/2024
Ignitability	oC	+/-20	NO		NO		1	0		12/19/2024
Reactive Cyanide	mg/Kg	+/-20	0.0087	U	0.0087	U	1	0		12/19/2024



RAW DATA

Analytical Summary Report

CHEMITECH

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB133982

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
1	PB165671BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	12/17/2024	11:10
2	P5279-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	12/17/2024	11:13
3	P5279-02DUP		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	12/17/2024	11:16

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



Analytical Summary Report

Analysis Method: 9045D Analyst By: jignesh

Parameter: Corrosivity Supervisor Review By : Iwona

Run Number: LB133987 **Slope :** 98.6

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	20.2	4.01	12/18/2024	08:00
2	CAL2	1	Water	NA	NA	20.2	7.00	12/18/2024	08:01
3	CAL3	1	Water	NA	NA	20.2	10.02	12/18/2024	08:03
4	ICV	1	Water	NA	NA	20.3	7.00	12/18/2024	08:05
5	CCV1	1	Water	NA	NA	20.3	2.02	12/18/2024	08:33
6	P5279-02	1	Solid	20.02	20	20.4	8.90	12/18/2024	08:40
7	P5279-02DUP	1	Solid	20.03	20	20.5	8.91	12/18/2024	08:41
8	CCV2	1	Water	NA	NA	20.3	12.02	12/18/2024	08:45

Reviewed By:Iwona On:12/18/2024 10:11:38 AM Inst Id :WC PH METER-1

Date/Time \\2\8'24

18 133987

Date: 12-18-2024 07:42:23

Department: Wet-Chemistry

WORKLIST(Hardcopy Internal Chain)

186418

WorkList ID :

corrosivity p5279

WorkList Name :

Raw Sample

Customer

Preservative

Test

Matrix

Customer Sample

Sample

Collect Date Method

Location

TULL02

Cool 4 deg C

Corrosivity

Solid

ROCKAWAY-PARK

S

P5279-02

L51

12/13/2024 9045D

2

-

Date/Time \2~\{'`}\

Raw Sample Relinquished by: Raw Sample Received by:

02:40

Page 1 of 1

Raw Sample Relinquished by:

Raw Sample Received by:

Reviewed By:Iwona On:12/19/2024 3:06:50 PM Inst Id :FLAME LB :LB134004



Analytical Summary Report

Analysis Method: 1030 Reviewed By: rubina

Parameter: Ignitability Supervisor Review By: Iwona

Run Number: LB134004

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	P5279-02	ROCKAWAY-PARK	1	Solid	NO	0.00	12/19/2024	13:10
2	P5279-02DUP	ROCKAWAY-PARKDUP	1	Solid	NO	0.00	12/19/2024	13:18
3	P5330-01	TP-5	1	Solid	NO	0.00	12/19/2024	13:25
4	P5330-04	TP-5	1	Solid	NO	0.00	12/19/2024	13:32
5	P5341-02	STORMWATER-SOLID-CON	1	Solid	NO	0.00	12/19/2024	13:40
6	P5343-05	OILY-RAGS-274	1	Solid	NO	0.00	12/19/2024	13:48

Burning Rate = Length(mm)

Total Time(sec)

Reviewed By:lwona On:12/19/2024 3:06:50 PM Inst Id :FLAME LB :LB134004

4604E1 41

1030

12/18/2024

L51

Cool 4 deg C Cool 4 deg C Cool 4 deg C

Ignitability **Ignitability**

STORMWATER-SOLID-COMP

OILY-RAGS-274

P5343-05 P5341-02

Solid Solid Solid

Ignitability

12/18/2024 1030

N12 N12

PSEG03 PSEG03

PSEG03

1030

12/18/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name: ion-12-19	ian-12-19		Ì					
		WORKLIST ID :	ID: 186460	Department:	Department: Wet-Chemistry	Dai	Date: 12-19-2024 08:24:19	4 08:24:19
Sample	Customer Sample	Matrix Test	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
P5279-02								
700170	NOONAWAT-PARK	Solid	Solid Ignitability	Cool 4 dea C	TI II 02	- F3	20000	
P5330-01	TP-5	3.00	1 - 1 - 10 - 10		7020	[2]	12/13/2024 1030	1030
		DIIOS	Ignitability	Cool 4 deg C	PSEG03	52	12/10/2024	000
P5330-04	TP-5	ril co	100000000000000000000000000000000000000				12/10/2024 1030	1030

Date/Time 12 //9/2024 Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

12/19/2024

Date/Time

Raw Sample Relinquished by:

Raw Sample Received by:

Reviewed By:
On:
Hinst Id: Konelab 20
Test results

Aquakem 7 2201

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : VF Instrument ID : Konelab

12/19/2024 12:23

Test: Total CN

Mean

SD

CV%

20

41.603

218.65

90.9642

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1 ICB1 CCV1 CCB1 PB165745BL P5291-13 P5291-13DUP P5341-01 P5341-03 P5343-06 PB165742BL P5279-02 P5279-02DUP P5330-04 CCV2 CCB2 P5341-02 P5343-05 CCV3 CCB3	98.090 -0.042 244.280 0.072 -0.208 -0.523 -0.432 -0.246 -0.337 -0.445 -0.449 -0.294 -0.189 -0.321 244.586 -0.731 -0.507 -0.426 250.426 -0.235	0.0	0.069 0.002 0.170 0.002 0.002 0.001 0.001 0.002 0.001 0.001 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.001 0.001 0.001 0.001	
N	20			

Aquakem v. 7.2AQ1

Results from time period:

Thu Dec 19 11:09:52 2024

Thu Dec 19 12:16:01 2024

Sample Id	San	n/Ctr/c/ Test sho	rt r Test t	type Result Result unit Result date and time Sta	
0.0PPBCN	Α	Total CN		-0.6831 µg/l 12/19/2024 11:28:11	Ĺ
5.0PPBCN	Α	Total CN	Р	4.7232 µg/l 12/19/2024 11:28:12	
10PPBCN	Α	Total CN	Р	9.3738 µg/l 12/19/2024 11:28:13	
50PPBCN	Α	Total CN	Р	50.6342 µg/l 12/19/2024 11:28:14	
100PPBCN	Α	Total CN		102.7678 µg/l 12/19/2024 11:28:15	
250PPBCN	Α	Total CN	Р	247.5715 µg/l 12/19/2024 11:28:16	
500PPBCN	Α	Total CN	Р	500.6126 µg/l 12/19/2024 11:28:17	
ICV1	S	Total CN	Р	98.0902 µg/l 12/19/2024 12:02:40	
ICB1	S	Total CN	Р	-0.0418 μg/l 12/19/2024 12:02:42	
CCV1	S	Total CN	Р	244.28 µg/l 12/19/2024 12:02:44	
CCB1	S	Total CN	Р	0.072 µg/l 12/19/2024 12:02:45	
PB165745BL	S	Total CN	Р	-0.2085 μg/l 12/19/2024 12:02:48	
P5291-13	S	Total CN	P	-0.5231 μg/l 12/19/2024 12:02:49	
P5291-13DUP	S	Total CN	Р	-0.4315 μg/l 12/19/2024 12:10:12	
P5341-01	S	Total CN	Р	-0.2455 µg/l 12/19/2024 12:10:13	
P5341-03	S	Total CN	Р	-0.3366 µg/l 12/19/2024 12:10:14	
P5343-06	S	Total CN	Р	-0.4453 µg/l 12/19/2024 12:10:15	
PB165742BL	S	Total CN	Р	-0.4492 µg/l 12/19/2024 12:10:18	
P5279-02	S	Total CN	Р	-0.2939 µg/l 12/19/2024 12:10:19	
P5279-02DUP	S	Total CN	Р	-0.1889 µg/l 12/19/2024 12:10:20	
P5330-04	S	Total CN	Р	-0.3215 µg/l 12/19/2024 12:10:21	
CCV2	S	Total CN	Р	244.5855 µg/l 12/19/2024 12:10:22	
CCB2	S	Total CN	Р	-0.7307 µg/l 12/19/2024 12:15:55	
P5341-02	S	Total CN	Р	-0.5072 µg/l 12/19/2024 12:15:56	
P5343-05	S	Total CN	Р	-0.426 µg/l 12/19/2024 12:15:57	
CCV3	S	Total CN	Р	250.4262 µg/l 12/19/2024 12:16:00	
CCB3	S	Total CN	Р	-0.2348 µg/l 12/19/2024 12:16:01	

Calibration results

Aquakem 7.2AQ1

Page:

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

Reviewed by : NF Instrument ID : Konelab

12/19/2024 11:28

Test Total CN

Accepted

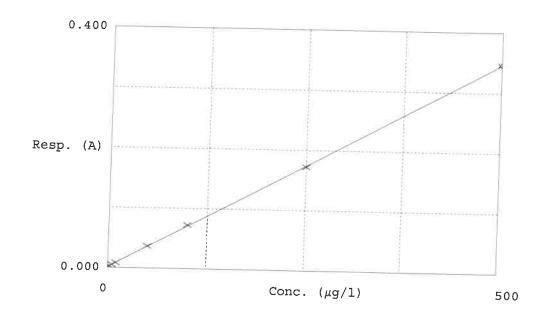
12/19/2024 11:28

Factor Bias

1453 0.002

Coeff. of det. 0.999926

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors	
1 2 3 4 5 6 7	0.0PPBCN 5.0PPBCN 10PPBCN 50PPBCN 100PPBCN 250PPBCN 500PPBCN	0.001 0.005 0.008 0.037 0.072 0.172 0.346	-0.6831 4.7232 9.3738 50.6342 102.7678 247.5715 500.6126	0.0000 5.0000 10.0000 50.0000 100.0000 250.0000 500.0000	-5.5 -6.3 1.8 -1.0	NF 12.19.2024



Soil/Sludge Reactive Sulfide Preparation Sheet



SOP ID:	M9030B-Sulfide-12		
SDG No:	N/A	Start Digest Date: 12/17/2024	Time :

 Start Digest Date:
 12/17/2024
 Time: 09:00
 Temp: N/A

 Matrix:
 SOIL
 End Digest Date:
 12/17/2024
 Time: 10:30
 Temp: N/A

Pippete ID: WC

Balance ID: WC SC-7

Hood ID: HOOD#1 Digestion tube ID: M5595 Block Thermometer ID: N/A

Block ID: MC-1 Filter paper ID: N/A Prep Technician Signature: RM

Weigh By: RM pH Meter ID: N/A Supervisor Signature:

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

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP111004
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

12/17/2024 RM

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



Soil/Sludge Reactive Sulfide Preparation Sheet

PB165671

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep
P5279-02	ROCKAWAY-PARK	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P5279-02DUP	ROCKAWAY-PARKDUP	5.06	50	N/A	N/A	N/A	N/A	N/A	
PB165671BL	PBS671	5.00	50	N/A	N/A	01/0			N/A
				.,,,	1975	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

Date: 12-17-2024 08:29:29 Department: Distillation WorkList ID: 186394 WorkList Name: RSUL-1217

Method	9034
Collect Date	12/13/2024 9034
Storage Location	L51
Customer	TULL02
Preservative	Cool 4 deg C
Test	Reactive Sulfide
Matrix	Solid
Customer Sample	ROCKAWAY-PARK
Sample	P5279-02
	Customer Sample Matrix Test Preservative Customer

Date/Time 12/17/2024 Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Date/Time 12/12/2024

Raw Sample Received by:

Raw Sample Relinquished by:



Soil/Sludge Reactive Cyanide Preparation Sheet



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

SDG No : N/A Start Digest Date: 12/19/2024 Time : 09:00 Temp : N/A

Matrix : SOIL End Digest Date: 12/19/2024 Time : 10:30 Temp : N/A

Pippete ID: N/A

Balance ID: WC SC-7

Hood ID: HOOD#1 Digestion tube ID: M5595 Block Thermometer ID: N/A

Block ID: MC-2 Filter paper ID: N/A Prep Technician Signature:

Weigh By: NF pH Meter ID: N/A Supervisor Signature:

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

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	N/A	
N/A	N/A	WP108640
I/A		N/A
N/A	N/A	N/A
N/A	N/A	N/A
	N/A	N/A
/A	N/A	N/A
/A	N/A	N/A
/A	N/A	N/A
I/A	N/A	N/A
I/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
19.2024, 10:45	NPOWCO	NACWel
	Preparation Group	Analysis Group



Client Sample ID	Initial Weight (g)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Pre
ROCKAWAY-PARK	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
ROCKAWAY-PARKDUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
TP-5	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
STORMWATER-SOLID-COMP	5.04	50	N/A	N/A	N/A	N/A		N/A
OILY-RAGS-274	5.01	50	N/A	N/A	N/A	N/A		
PBS742	5.00	50	N/A	N/A				N/A
	ROCKAWAY-PARK ROCKAWAY-PARKDUP TP-5 STORMWATER-SOLID-COMP OILY-RAGS-274	Weight (g) ROCKAWAY-PARK 5.05 ROCKAWAY-PARKDUP 5.03 TP-5 5.01 STORMWATER-SOLID-COMP 5.04 OILY-RAGS-274 5.01	Note	N/A STORMWATER-SOLID-COMP Sample ID Weight (g) (ml) PH	Note	Note Note	Nitrate Sample ID Weight (g) PH Sulfide Oxidizing Nitrate Nitrite	Client Sample ID Weight (g) (ml) pH Suifide Oxidizing Nitrate/Nitrite Comment ROCKAWAY-PARK 5.05 50 N/A N/A N/A N/A N/A ROCKAWAY-PARKDUP 5.03 50 N/A N/A N/A N/A N/A TP-5 5.01 50 N/A N/A N/A N/A N/A STORMWATER-SOLID-COMP 5.04 50 N/A N/A N/A N/A N/A OILY-RAGS-274 5.00 50 N/A N/A N/A N/A N/A

WORKLIST(Hardcopy Internal Chain)

RCN S-12192024

WorkList Name:

Date: 12-19-2024 08:34:15 Collect Date Method 9012B 12/13/2024 9012B 12/18/2024 9012B 12/18/2024 9012B 12/18/2024 Raw Sample Storage Location N12 L51 L51 N12 Customer PSEG03 PSEG03 TULL02 PSEG03 Department: Distillation Cool 4 deg C Cool 4 deg C Cool 4 deg C Cool 4 deg C Preservative Reactive Cyanide Reactive Cyanide Reactive Cyanide Reactive Cyanide WorkList ID: 186468 Test Matrix Solid Solid Solid Solid STORMWATER-SOLID-COMP ROCKAWAY-PARK **Customer Sample** OILY-RAGS-274 TP-5 P5279-02 P5330-04 P5341-02 P5343-05 Sample

19:19:2024 Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

12, 19.2024-

Date/Time

Raw Sample Relinquished by:

Raw Sample Received by:





Daily Analysis Runlog For Sequence/QCBatch ID # LB133982

Instrument ID:

TITRAMETRIC

Review By	rubina		Review On	12/17/2024 4:27:23 PM
Supervise By	By Iwona		Supervise On	12/17/2024 4:30:17 PM
SubDirectory	LB133982		Test	Reactive Sulfide
STD. NAME	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	PB165671BL	PB165671BL	MB	12/17/24 11:10		rubina	ок
2	P5279-02	ROCKAWAY-PARK	SAM	12/17/24 11:13		rubina	ОК
3	P5279-02DUP	ROCKAWAY-PARKDU	DUP	12/17/24 11:16		rubina	ОК



Instrument ID: WC PH METER-1

Review By	jignesh	Review On	12/18/2024 8:31:40 AM				
Supervise By	Iwona	Supervise On	12/18/2024 10:11:38 AM				
SubDirectory	LB13398	7 Test	Corrosivity				
STD. NAME	STD	REF.#					
ICAL Standard	N/A						
ICV Standard	N/A	N/A					
CCV Standard	N/A						
ICSA Standard	N/A	N/A					
CRI Standard	N/A	N/A					
LCS Standard	N/A	N/A					
Chk Standard	W310	W3107,W3093,W3094,W3071,W3005,W3072					

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	12/18/24 08:00		Jignesh	ок
2	CAL2	CAL2	CAL	12/18/24 08:01		Jignesh	ок
3	CAL3	CAL3	CAL	12/18/24 08:03		Jignesh	ОК
4	ICV	ICV	ICV	12/18/24 08:05		Jignesh	ОК
5	CCV1	CCV1	CCV	12/18/24 08:33		Jignesh	ОК
6	P5279-02	ROCKAWAY-PARK	SAM	12/18/24 08:40		Jignesh	ОК
7	P5279-02DUP	ROCKAWAY-PARKDU	DUP	12/18/24 08:41		Jignesh	ОК
8	CCV2	CCV2	CCV	12/18/24 08:45		Jignesh	ок



Instrument ID: FLAME

Review By	rubina		Review On	12/19/2024 2:38:53 PM
Supervise By	lwo	ona	Supervise On	12/19/2024 3:06:50 PM
SubDirectory	LB134004		Test	Ignitability
STD. NAME	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	P5279-02	ROCKAWAY-PARK	SAM	12/19/24 13:10		rubina	ок
2	P5279-02DUP	ROCKAWAY-PARKDU	DUP	12/19/24 13:18		rubina	ок
3	P5330-01	TP-5	SAM	12/19/24 13:25		rubina	ОК
4	P5330-04	TP-5	SAM	12/19/24 13:32		rubina	ОК
5	P5341-02	STORMWATER-SOLI	SAM	12/19/24 13:40		rubina	ОК
6	P5343-05	OILY-RAGS-274	SAM	12/19/24 13:48		rubina	ок



Instrument ID: KONELAB

Review By	Nih	а	Review On	12/20/2024 12:39:40 PM
Supervise By			Supervise On	
SubDirectory	LB	134015	Test	Reactive Cyanide
STD. NAME		STD REF.#		
ICAL Standard		WP111150,WP111	151,WP111152,WP111153,WP111	1154,WP111155,WP111156
ICV Standard		WP111157		
CCV Standard		WP111151		
ICSA Standard		N/A		
CRI Standard		N/A		
LCS Standard		N/A		
Chk Standard		WP111035,WP110	0103,WP111158	
1				

Sr#	Sampleld	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/19/24 11:28		Niha	ОК
2	5.0PPBCN	5.0PPBCN	CAL2	12/19/24 11:28		Niha	ок
3	10PPBCN	10PPBCN	CAL3	12/19/24 11:28		Niha	ок
4	50PPBCN	50PPBCN	CAL4	12/19/24 11:28		Niha	ок
5	100PPBCN	100PPBCN	CAL5	12/19/24 11:28		Niha	ок
6	250PPBCN	250PPBCN	CAL6	12/19/24 11:28		Niha	ок
7	500PPBCN	500PPBCN	CAL7	12/19/24 11:28		Niha	ок
8	ICV1	ICV1	ICV	12/19/24 12:02		Niha	ок
9	ICB1	ICB1	ICB	12/19/24 12:02		Niha	ок
10	CCV1	CCV1	CCV	12/19/24 12:02		Niha	ок
11	CCB1	CCB1	ССВ	12/19/24 12:02		Niha	ок
12	PB165745BL	PB165745BL	MB	12/19/24 12:02		Niha	ок
13	P5291-13	WC-20241213	SAM	12/19/24 12:02		Niha	ОК
14	P5291-13DUP	WC-20241213DUP	DUP	12/19/24 12:10		Niha	ок
15	P5341-01	STORMWATER-AQ-C	SAM	12/19/24 12:10		Niha	ок
16	P5341-03	TOTE-425	SAM	12/19/24 12:10		Niha	ок
17	P5343-06	PUMP-WATER-271	SAM	12/19/24 12:10		Niha	ок
18	PB165742BL	PB165742BL	МВ	12/19/24 12:10		Niha	OK



Instrument ID: KONELAB

Review By	Niha	Review On	12/20/2024 12:39:40 PM
Supervise By		Supervise On	
SubDirectory L	LB134015	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP111150,WP111151,W	/P111152,WP111153,WP111154,WP111	155,WP111156
ICV Standard	WP111157		
CCV Standard	WP111151		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111035,WP110103,V	VP111158	

19	P5279-02	ROCKAWAY-PARK	SAM	12/19/24 12:10	Niha	ОК
20	P5279-02DUP	ROCKAWAY-PARKDI	DUP	12/19/24 12:10	Niha	ОК
21	P5330-04	TP-5	SAM	12/19/24 12:10	Niha	ОК
22	CCV2	CCV2	CCV	12/19/24 12:10	Niha	ОК
23	CCB2	CCB2	ССВ	12/19/24 12:15	Niha	ОК
24	P5341-02	STORMWATER-SOLI	SAM	12/19/24 12:15	Niha	OK
25	P5343-05	OILY-RAGS-274	SAM	12/19/24 12:15	Niha	OK
26	CCV3	CCV3	CCV	12/19/24 12:16	Niha	OK
27	CCB3	CCB3	ССВ	12/19/24 12:16	Niha	ОК



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

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID	:	P5279
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Test: Corrosivity, Ignitability, Percent Solids, Reactive Cyanide, Reactive Sulfide

Prepbatch ID: PB165671,PB165742,

Sequence ID/Qc Batch ID: LB133982,LB133987,LB134004,LB134015,

Star	NASr	M IL	١.
otai	luai	u IL	

WP108640,WP109549,WP110103,WP111004,WP111035,WP111149,WP111150,WP111151,WP111152,WP111153,WP111154,WP111155,WP111156,WP111157,WP111158,

Chemical ID:

E3657, M6121, W2668, W2725, W2882, W2926, W3005, W3019, W3071, W3072, W3093, W3094, W3105, W3107, W3112, W3112, W3112, W3138, W3139, W3149, W3154,



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
11	Sodium hydroxide absorbing solution 0.25 N	<u>WP108640</u>	07/05/2024	01/05/2025	Rubina Mughal	CALE_4 (WC		07/08/2024
	04.000001 [180440] - 040.0000	. = a a = =		04 000 1		SC-4)		

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3371	Cyanide LCS Spike Solution, 5PPM	<u>WP109549</u>	09/06/2024	01/05/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3 (WC)	,

FROM 1.00000ml of W3138 + 199.00000ml of WP108640 = Final Quantity: 200.000 ml





Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
539	CN BUFFER	WP110103	10/08/2024	04/08/2025	Rubina Mughal	_		,
						CALE_5 (WC		10/08/2024
FROM	138.00000gram of W2668 + 862.000	00ml of W3	112 = Final C	uantity: 1000.0	000 ml	SC-5)		

ID NA	NAME.	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
160 0.5).5M ZINC ACETATE	WP111004	12/09/2024	05/13/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC		,

FROM 0.88900L of W3112 + 1.00000ml of M6121 + 110.00000gram of W2926 = Final Quantity: 1000.000 ml



Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych	
607	PYRIDINE-BARBITURIC ACID	<u>WP111035</u>	12/09/2024	04/30/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC		12/10/2024	
SC-5) FROM 145.00000ml of W3112 + 15.00000gram of W2882 + 15.00000ml of M6121 + 75.00000ml of W3019 = Final Quantity: 250.000									

145.00000ml of W3112 + 15.00000gram of W2882 + 15.00000ml of M6121 + 75.00000ml of W3019 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3456	Cyanide Intermediate Working Std, 5PPM	<u>WP111149</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	,

FROM 0.25000ml of W3154 + 49.75000ml of WP108640 = Final Quantity: 50.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
4	Calibation standard 500 ppb	<u>WP111150</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	Glass Pipette-A	12/20/2024

FROM 45.00000ml of WP108640 + 5.00000ml of WP111149 = Final Quantity:	50.000 ml
--	-----------

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3761	Calibration-CCV CN Standard 250 ppb	<u>WP111151</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	Glass Pipette-A	12/20/2024

FROM 2.50000ml of WP111149 + 47.50000ml of WP108640 = Final Quantity: 50.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
6	Calibration Standard 100 ppb	<u>WP111152</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	Glass Pipette-A	12/20/2024

FROM 1	00000ml of WP111149 + 49.00000ml of WP108640 = Final Quantity: 50.000 ml
--------	--

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
7	Calibration Standard 50 ppb	WP111153	12/19/2024	12/20/2024	Niha Farheen	None	WETCHEM_F	
					Shaik		IPETTE_3	12/20/2024

FROM 0.50000ml of WP111149 + 49.50000ml of WP108640 = Final Quantity: 50.000 ml



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9

Calibration Standard 5 ppb

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
8	Calibration Standard 10 ppb	<u>WP111154</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	12/20/2024		
FROM	FROM 1.00000ml of WP111150 + 49.00000ml of WP108640 = Final Quantity: 50.000 ml									

Recipe	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By

Niha Farheen

Shaik

None

WETCHEM_F

IPETTE_3

12/20/2024

WP111155 12/19/2024 12/20/2024

FROM 0.50000ml of WP111150 + 49.50000ml of WP108640 = Final Quantity: 50.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	<u>NO.</u>	Prep Date	Expiration Date	<u>Prepared</u> <u>By</u>	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarych
167	0 ppb CN calibration std	<u>WP111156</u>	12/19/2024	12/20/2024	Niha Farheen Shaik	None	None	12/20/2024

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	NAME	NO.	Prep Date		By Niho Forboon	ScaleID None	PipettelD None	Iwona Zarych
2168	RCN ICV STD, 100 PPB	WPIIII57	12/19/2024	12/20/2024	Niha Farheen Shaik	None	None	12/20/2024

FROM 1.00000ml of WP109549 + 49.00000ml of WP108640 = Final Quantity: 50.000 ml





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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID 1582	NAME Chloramine T solution, 0.014M	NO. WP111158	Prep Date 12/19/2024	Expiration Date 12/20/2024	Prepared By Niha Farheen Shaik	CALE_5 (WC	PipetteID None	Supervised By Iwona Zarych 12/20/2024
FROM	0.08000gram of W3139 + 20.00000m	nl of W3112	= Final Quan	tity: 20.000 m		' SC-5) '		



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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-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121
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, CRYS, 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	EMD-FX0410-5 /	60045	06/22/2025	08/19/2024 /	06/22/2020 /	W2725
Supply, Inc.	FORMALDEHYDE SOLUTION 450ML			lwona	apatel	
Supply, Inc. Supplier		Lot #	Expiration Date	Date Opened / Opened By	apatel Received Date / Received By	Chemtech Lot #
	SOLUTION 450ML	Lot # 1.00132.0100	1 -	Date Opened /	Received Date /	Chemtech
Supplier PCI Scientific	ItemCode / ItemName EM-BX0035-3 / Barbituric		Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #



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 / Iwona	W3005
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 /	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.	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 #



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 / Iwona	04/22/2024 / Iwona	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	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112
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 / Iwona	W3114
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
PCI Scientific Supply, Inc.	LC135457 / Cyanide Standard, 1000 PPM, Second Source	44080060	01/30/2025	09/06/2024 / Iwona	08/28/2024 / Iwona	W3138
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
	JTE494-6 /	10239484	09/09/2029	09/09/2024 /	09/09/2024 /	W3139



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 / Iwona	10/16/2024 / Iwona	W3149

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	1411J58	05/31/2025	12/02/2024 / Iwona	12/02/2024 / Iwona	W3154



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Certificate of Analysis

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 .

5 10 15 20 25 35 40 45 Hq 7.12 7.09 7.06 7.04 7.027.00 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	coccottiti S. Tues and et e e e
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
Possesses de J. Character 1500	***************************************	24 months

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

Youl Drandon

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

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Version: 1.3 Lot Number: 4308H30 Product Number: 1551 Page 2 of 2

W3019 lec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Product Name:

Certificate of Analysis

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

L	
	N

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®

W 3072

MC. (2/01/23)

Certificate of Analysis

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

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 35 40 12.35 12.17 11.99 11.78 11.62 Нg

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)

Storen Travers.

Sharon Travers (10/24/2023)

Operations Manager

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This product was tested in an ISO 17025 Accredited Laboratory

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Version: 1.3 Lot Number: 2310P21 Product Number: 1615 Page 2 of 2

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	Re	Requirement		Units
	Min.	Max.		
Assay	36.5	38.0	36.71	%
Chloride (CI)		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 (SO4)		0.002	<0.0020	%
Titrable acid		0.006	<0.0060	meq/g

Heather Sinn,

Quality Control Manager

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

 $The \ life \ science \ business \ of \ Merck \ KGaA, \ Darmstadt, \ Germany \ operates \ as \ Millipore Sigma \ in \ the \ U.S. \ and \ Canada.$



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material:

0583

Grade:

ACS GRADE

Batch Number:

23B1556310

Chemical Formula:

NaOH

Molecular Weight: CAS#:

Appearance:

1310-73-2

Storage:

Manufacture Date:

Expiration Date:

Room Temperature

12/14/2022

12/31/2025

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.

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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.

Hydrochloric Acid, 36.5-38.0% BAKER INSTRA-ANALYZED® Reagent For Trace Metal Analysis





R->16/13/24 Met dig

M 6/21

Material No.: 9530-33 Batch No.: 0000275677 Manufactured Date: 2020/12/16 Retest Date: 2025/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 – 1.192	1.190
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl2)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Frace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Frace Impurities – Calcium (Ca)	<= 50.0 ppb	29.7
race Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
race Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.4
race Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
race Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

Material No.: 9530-33 Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Frace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Frace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
race Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
race Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
race Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
race Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
race Impurities – Thallium (TI)	<= 5.0 ppb	< 2.0
race Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
race Impurities - Titanium (Ti)	<= 1.0 ppb	0.8
race Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
race Impurities – Zinc (Zn)	<= 5.0 ppb	
race Impurities – Zirconium (Zr)	<= 1.0 ppb	0.3 < 0.1

For Laboratory, Research or Manufacturing Use Product Information (not specifications): Appearance (clear, fuming liquid) Meets ACS Specifications

Country of Origin:

US

Packaging Site:

Phillipsburg Mfg Ctr & DC





Certificate of Analysis

1.00132.0000 Barbituric acid for analysis EMSURE® N020065932

	Spec. Values	3	Batch Values	
Assay (acidimetric)	≥ 99	%	99.6	%
Identity (IR-spectrum)	passes test		passes test	
Chloride (CI)	≤ 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

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Sodium Phosphate, Monobasic, Monohydrate, Crystal BAKER ANALYZED® A.C.S. Reagent **C**Vavantor™ J.T.Baker

(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 (NaH2PO4 · H2O)	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 (CI)	<= 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



3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA:

techserv@sial.com

Outside USA: eurtechserv@sial.com 0 2926 0 715/22 peleired 0 715/22

Product Name:

Certificate of Analysis

Zinc acetate dihydrate - ACS reagent, ≥98%

Product Number:

383058

Batch Number:

MKCQ9159

Brand:

SIGALD

CAS Number:

MDL Number:

5970-45-6

MFCD00066961

Formula:

C4H6O4Zn · 2H2O

Formula Weight:

219.51 g/mol

Quality Release Date:

06 JAN 2022

H₃C O Zn²· 2H₂O

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	< 0.005 %	0.003 %
Calcium (Ca)	< 0.005 %	0.003 %
Chloride (CI)	< 5 ppm	< 5 ppm
Iron (Fe)	< 5 ppm	< 5 ppm
Potassium (K)	< 0.01 %	0.00 %
Magnesium (Mg)	< 0.005 %	0.003 %
Sodium (Na)	< 0.05 %	0.03 %
Lead (Pb)	< 0.002 %	< 0.001 %
pH	6.0 - 7.0	6.1
Sulfate (SO4)	< 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.



W 3005 Mec. 1/31/23

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 pН 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	A		

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	2.000	0.02	185i, 186-I-g, 186-II-g
**	***********************		1001' 100 T.S' 100-II-B

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)

faul Drandon

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

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Version: 1.3 Lot Number: 4212E45 Product Number: 1493 Page 2 of 2



RICCA CHEMICAL COMPANY

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customerservice@riccachemical.com

Certificate of Analysis Onlong Concession Co

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 .

5 10 15 20 25 30 35 40 45 50 pН 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	THE ST.	
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
		V /V 1.11 1.

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

faul Drandon

Paul Brandon (01/08/2024)

Production Manager

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This product was tested in an ISO 17025 Accredited Laboratory

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Version: 1.3 Lot Number: 4401F99 Product Number: 1551 Page 2 of 2



RICCA CHEMICAL COMPANY®

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1-888-GO-RICCA customerservice@riccachemical.com

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	2008020
Blue Dye	Proprietary	
		De la companya de la

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)

Hand Brandon

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

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Version: 1.3 Lot Number: 4310G83 Product Number: 1601 Page 2 of 2

1490 Lammers Pike Batesville, IN 47006 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

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

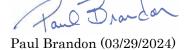
Specification	Reference	
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)	
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-Cl B)	
Standard Sodium Thiosulfate Titrant	APHA (4500-O C)	
Standard Sodium Thiosulfate Titrant, 0.025 M	АРНА (5530 С)	
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)

Version: 1.3 Lot Number: 4403S13 Product Number: 7900 Page 1 of 2



Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials $^{\rm --}$ Contents of Certificates and Labels."

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Version: 1.3 Lot Number: 4403S13 Product Number: 7900 Page 2 of 2



RICCA CHEMICAL COMPANY

customerservice@riccachemical.com

1490 Lammers Pike Batesville, IN 47006 http://www.riccachemical.com

1-888-GO-RICCA

Certificate of Analysis

Manufacture Date: MAR 09, 2024

Expiration Date: FEB 2026

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

Lot Number: 4403F90

Product Number: 1501

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 .

10 15 20 25 30 35 45 50 4.00 4.00 pН 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/I	EP
Potassium Acid Phthalate	877-24-7	Buffer	
Preservative	Proprietary	Commercial	• •
Red Dye	Proprietary	Purified	
Test	Specification	Result	STATE OF STATE OF
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)

Hand Brandon

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

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Version: 1.3 Lot Number: 4403F90 Product Number: 1501 Page 2 of 2

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

customerservice@riccachemical.com

Certificate of Analysis

Iodine (Iodine-Iodide), 0.0250 Normal (N/40), $1 \text{ mL} = 0.4008 \text{ mg S}^2$

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)	$0.02498 \text{-} 0.02502 \text{ N} \text{ at } 20^{\circ}\text{C}$	$0.02502~\mathrm{N}$ at $20^{\circ}\mathrm{C}$	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

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Version: 1.3 Lot Number: 2405D89 Product Number: 3975 Page 1 of 1



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





Certificate of Analysis

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

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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.

1490 Lammers Pike Batesville, IN 47006 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

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	Passed
	(Iodine present)	

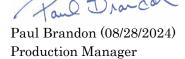
Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-Cl B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-C1 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)

Version: 1.3 Lot Number: 4408P62 Product Number: 8000 Page 1 of 2



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Version: 1.3 Lot Number: 4408P62 Product Number: 8000 Page 2 of 2

448 West Fork Dr Arlington, TX 76012 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN

Lot Number: 1411J58 Product Number: 2543

Manufacture Date: NOV 22, 2024 Expiration Date: MAY 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.

Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225% (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN)	995-1005 ppm	1000 ppm

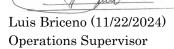
Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

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

Version: 1.3 Lot Number: 1411J58 Product Number: 2543 Page 1 of 2



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Version: 1.3 Lot Number: 1411J58 Product Number: 2543 Page 2 of 2



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

Thermometer ID: % SOLID- OVEN

OVENTEMP IN Celsius (°C): 107

OVENTEMP OUT Celsius (°C): 103

Time IN: 17:00 Time OUT: 08:25

 In Date:
 12/13/2024

 Weight Check 1.0g:
 1.00

 Weight Check 10g:
 10.00

 Weight Check 10g:
 10.00

 Weight Check 10g:
 10.00

OvenID: M OVEN#1

BalanceID: M SC-4

QC:LB133946

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
P5277-01	COMP-1A	1	1.15	8.66	9.81	8.81	88.5	
P5277-02	COMP-2A	2	1.16	8.64	9.8	7.98	78.9	
P5277-03	COMP-3A	3	1.19	8.45	9.64	8.79	89.9	
P5277-04	SB-13	4	1.14	8.61	9.75	8.89	90.0	
P5277-05	SB-14	5	1.15	8.81	9.96	9.14	90.7	
P5277-06	SB-15	6	1.18	8.74	9.92	9.08	90.4	
P5277-07	SB-16	7	1.15	8.81	9.96	8.68	85.5	
P5277-08	SB-17	8	1.12	8.86	9.98	7.98	77.4	
P5277-09	SB-18	9	1.16	8.74	9.9	8.34	82.2	
P5277-10	SB-19	10	1.14	8.83	9.97	8.42	82.4	
P5277-11	SB-20	11	1.19	8.52	9.71	8.13	81.5	
P5277-12	SB-21	12	1.17	8.72	9.89	9.05	90.4	
P5277-13	SB-22	13	1.15	8.80	9.95	9.03	89.5	
P5277-14	SB-23	14	1.14	8.61	9.75	8.51	85.6	
P5277-15	SB-24	15	1.16	8.40	9.56	8.68	89.5	
P5279-01	ROCKAWAY-PARK	16	1.18	8.47	9.65	9.11	93.6	
P5279-03	ROCKAWAY-PARK	17	1.15	8.50	9.65	9.14	94.0	
P5287-01	STONES-A	18	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-02	STONES-A-E2	19	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-03	STONES-B	20	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-04	STONES-B-E2	21	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5288-05	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
P5288-06	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
P5288-07	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
P5288-08	PCB-GPC-BLANK	25	1.00	1.00	2.00	2.00	100.0	
P5288-09	PCB-GPC-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
P5288-10	SVOC-GPC2-BLANK	27	1.00	1.00	2.00	2.00	100.0	
P5288-11	PEST-GPC2-BLANK	28	1.00	1.00	2.00	2.00	100.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh

Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107 OVENTEMP OUT Celsius(°C): 103

Time IN: 17:00 Time OUT: 08:25

In Date: 12/13/2024 Out Date: 12/14/2024

 Weight Check 1.0g: 1.00
 Weight Check 1.0g: 1.00

 Weight Check 10g: 10.00
 Weight Check 10g: 10.00

OvenID: M OVEN#1 BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

Qc:LB133946

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Sample	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
P5288-12	PEST-GPC2-BLANK-SPIKE	29	1.00	1.00	2.00	2.00	100.0	
P5288-13	PCB-GPC2-BLANK	30	1.00	1.00	2.00	2.00	100.0	
P5288-14	PCB-GPC2-BLANK-SPIKE	31	1.00	1.00	2.00	2.00	100.0	



SHIPPING DOCUMENTS



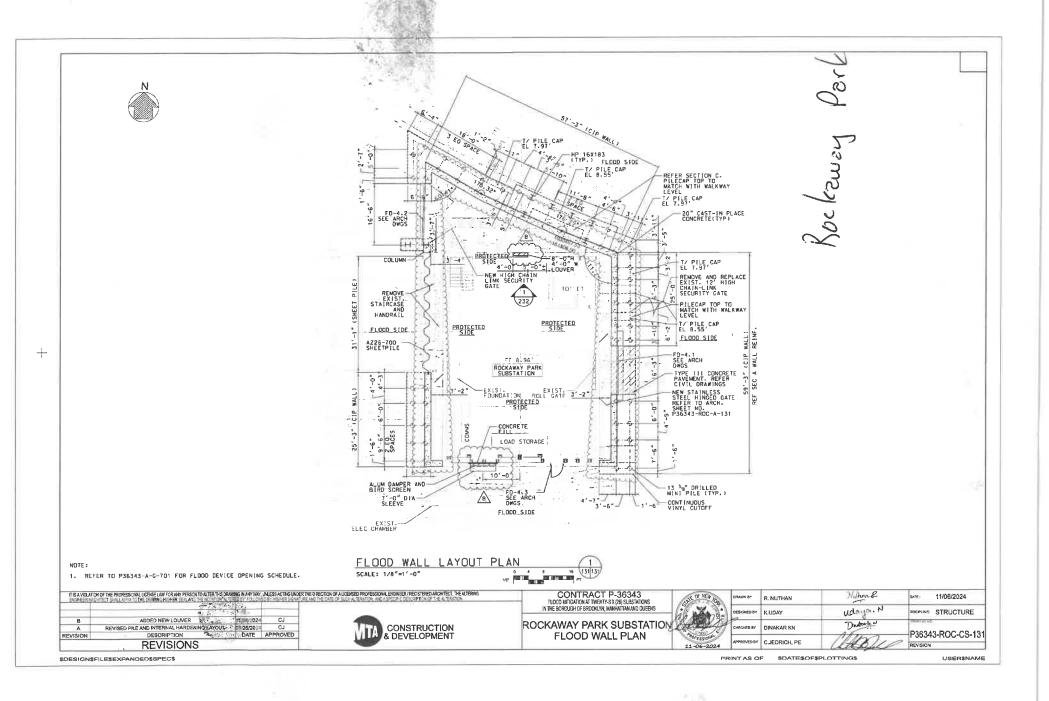
284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 • Fax (908) 789-8922 www.chemtech.net

CHEMTECH PROJECT NO. P5 279

QUOTE NO. P5 279

COC Number 2041523

* * *	CLIENT INFORMATION		1,5		CLIENT P	ROJECT II	NFORM.	TION	10					CLIE	NT BILL	ING INF	ORMATION	THE CAR
COMPANY:	Tully Construction Co.	PROJE	PROJECT NAME:							BILL TO: PO#:								
ADDRESS: 1	12-01 beach Channel	PROJE	CT N	0.:		LOC	ATION:				ADDRESS:							
CITY ROC	CZWZY STATE: NY ZIP:	PROJE	CT M.	ANAG	BER:						CITY		SAU	ساحو	<u>ب</u>	STA	TE:	ZIP:
	Dean Devoe	e-mail:									ATTE	NTION:				PHC	DNE:	
PHONE:	FAX:	PHONE				FA	AX:								1000	ALYSIS		
	DATA TURNAROUND INFORMATION	Hill	=	DATA	DELIVE	RABLE IN	IFORM.	ATION	1			100	0				10	المرسارك
EDD:*TO BE APPRO	DAYS* ATA PACKAGE): DAYS* DAYS* VED BY CHEMTECH RDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS	☐ Leve	l 2 (Re l 3 (Re aw Da	esults - esults - ta)	+ QC)	Level 4 (QC NJ Reduce NYS ASP A Other	d 🗆 US	aw Data S EPA CI S ASP E) _P _V0i	PAH TULS	PRESERVATIVES COMMENTS Specify Preservative A-HCI D-NaOH							
0.1111/111011			SAN	/IPLE	SAI	/IPLE	Si				PRES	SERVA	TIVES			,	CC	MMENTS
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	TY	GRAB 34		ECTION	OF BOTTLES	4	2	3	4	5	6	7	8	9	A-HCI B-HN03 C-H2SO4	fy Preservatives D-NaOH E-ICE F-OTHER
1.	Rock 2 Way Park	30L	X		12-13-11	0820	9	X	χ	X	X	X	X	/		9		ð. O
2.	Kockzway Park	1		X	1	0822	-			/	,,	/ \	/	X	1		PiD=	
3.						0.00	-7-										110	0.0
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9. pyrigh 2923	Jan 12.13.20243.	CLIENT:																





Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Field Observations: Sample Description: Sample Matrices (circle all that apply): Water / Solid NAPL / Concrete / Wipe Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tape S PID Readings (range) RAY Site Address: Service Order #: Work Order #: Project Name: KOCK2W24 Facility/Site: Labor WBS #: DUCER Kocken Dimensions/CY: Kacksway PPM Queen Park Odor: Y / N 501 Client Project Coordinator & Phone: Chemtech Order ID: Page #: Date: Sampler Name: A Depart Time: Arrive Time: Cover 12.13. 으 0736 0900 1202 BUTENCE

Grid/Area Composite Map:

Temp (range): Collection Depths:

QA Control # A3041134

Date/Time Arrived at Lab:	
Supervisor Review/Date:	Sampler Signature: 12.13.2024
BATE	tence
\(\times\)	Substetion
collected formations	Col



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

QA Control Code: A2070148



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID: P5279

Client Name: Tully Construction Co., Inc.

Client Contact: Dean Devoe

Invoice Contact: Dean Devoe Invoice Name: Tully Construction Co., Inc.

TULL02

Purchase Order:

Order Date: 12/13/2024 12:03:00 PM

Project Name: Rockaway Park

Receive DateTime: 12/13/2024 12:00:00 AM

Report Type: Level 1

EDD Type: Excel NY 375

Project Mgr:

Hard Copy Date:

Date Signoff:

Solid 12/13/2024 08:22

P5279-03

ROCKAWAY-PARK

LAB ID

CLIENT ID

MATRIX SAMPLE

DATE

SAMPLE TIME

TEST

TEST GROUP

METHOD

FAX DATE

DATES DUE

VOC-TCLVOA-10

8260D

5 Bus. Days

Relinguished By:

Date/Time: 12-13-2024 12:18

Received By:

Date / Time:

Mrs Prais

Storage Area: VOA Refridgerator Room