

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:	Q3811	OrderDate:	12/8/2025 11:40:00 AM
Client:	Dal Tile - Sunnyvale Plant	Project:	Semi Annual Sampling
Contact:	Michel Gil	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3811-01	Outfall 001	WATER			11/20/25 15:00			12/08/25
			pH	9040C			12/10/25 08:18	
			TSS	SM2540 D			12/11/25 09:30	
Q3811-02	Outfall 002	WATER			11/20/25 15:00			12/08/25
			pH	9040C			12/10/25 08:30	
			TSS	SM2540 D			12/11/25 09:30	
Q3811-03	Outfall 003	WATER			11/20/25 15:00			12/08/25
			pH	9040C			12/10/25 08:37	
			TSS	SM2540 D			12/11/25 09:30	



SAMPLE DATA

Report of Analysis

Client: Dal Tile - Sunnyvale Plant
Project: Semi Annual Sampling
Client Sample ID: Outfall 001
Lab Sample ID: Q3811-01

Date Collected: 11/20/25 15:00
Date Received: 12/08/25
SDG No.: Q3811
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.88	H	1	0	0	pH		12/10/25 08:18	9040C
TSS	5.50	H	1	1.00	4.00	mg/L		12/11/25 09:30	SM 2540 D-20

Comments: pH result reported at temperature 20.2 °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: Dal Tile - Sunnyvale Plant
Project: Semi Annual Sampling
Client Sample ID: Outfall 002
Lab Sample ID: Q3811-02

Date Collected: 11/20/25 15:00
Date Received: 12/08/25
SDG No.: Q3811
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.13	H	1	0	0	pH		12/10/25 08:30	9040C
TSS	27.8	H	1	1.00	4.00	mg/L		12/11/25 09:30	SM 2540 D-20

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

Report of Analysis

Client: Dal Tile - Sunnyvale Plant
Project: Semi Annual Sampling
Client Sample ID: Outfall 003
Lab Sample ID: Q3811-03

Date Collected: 11/20/25 15:00
Date Received: 12/08/25
SDG No.: Q3811
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.38	H	1	0	0	pH		12/10/25 08:37	9040C
TSS	25.5	H	1	1.00	4.00	mg/L		12/11/25 09:30	SM 2540 D-20

Comments: pH result reported at temperature 20.3 °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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Dal Tile - Sunnyvale Plant

SDG No.: Q3811

Project: Semi Annual Sampling

RunNo.: LB138178

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	12/10/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	12/10/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	12/10/2025

Preparation Blank Summary

Client: Dal Tile - Sunnyvale Plant

SDG No.: Q3811

Project: Semi Annual Sampling

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB138190BL						
TSS	mg/L	1	2.0000	J	1	4	12/11/2025

Duplicate Sample Summary

Client:	Dal Tile - Sunnyvale Plant	SDG No.:	Q3811
Project:	Semi Annual Sampling	Sample ID:	Q3793-01
Client ID:	MH-1252025DUP	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
TSS	mg/L	+/-5	166		166		1	0.48		12/11/2025

Duplicate Sample Summary

Client: Dal Tile - Sunnyvale Plant	SDG No.: Q3811
Project: Semi Annual Sampling	Sample ID: Q3811-01
Client ID: Outfall 001DUP	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
pH	pH	+/-20	6.88		6.90		1	0.29		12/10/2025

Duplicate Sample Summary

Client:	Dal Tile - Sunnyvale Plant	SDG No.:	Q3811
Project:	Semi Annual Sampling	Sample ID:	Q3811-02
Client ID:	Outfall 002DUP	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
pH	pH	+/-20	7.13		7.14		1	0.14		12/10/2025

Duplicate Sample Summary

Client:	Dal Tile - Sunnyvale Plant	SDG No.:	Q3811
Project:	Semi Annual Sampling	Sample ID:	Q3811-03
Client ID:	Outfall 003DUP	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
pH	pH	+/-20	7.38		7.40		1	0.27		12/10/2025

Duplicate Sample Summary

Client:	Dal Tile - Sunnyvale Plant	SDG No.:	Q3811
Project:	Semi Annual Sampling	Sample ID:	Q3822-01
Client ID:	AUD-25-0205DUP	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
pH	pH	+/-20	5.67		5.69		1	0.35		12/10/2025

Duplicate Sample Summary

Client:	Dal Tile - Sunnyvale Plant	SDG No.:	Q3811
Project:	Semi Annual Sampling	Sample ID:	Q3824-01
Client ID:	TRE-25-0135DUP	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
pH	pH	+/-20	5.98		6.00		1	0.33		12/10/2025

Laboratory Control Sample Summary

Client: Dal Tile - Sunnyvale Plant

SDG No.: Q3811

Project: Semi Annual Sampling

Run No.: LB138190

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB138190BS							
TSS	mg/L	550	577		105	1	90-110	12/11/2025



RAW DATA

Analytical Summary Report

Analysis Method: 9040C
Parameter: pH
Run Number: LB138178

Analyst By : jignesh

Supervisor Review By : Iwona

Slope : 98.6

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3264
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER, COLOR CD 475ML	W3191
buffer solution pH 7 yellow	W3217
Buffer Solution, PH2 (500ml)	W3161
pH 12.00 Buffer	W3200

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

True Value of CCV1 = 2.00 Control Limits[+/- 0.05].

True Value of CCV2 = 12.00 Control Limits[+/- 0.05].

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	12/10/2025	08:00
2	CAL2	1	Water	NA	NA	20.2	7.00	12/10/2025	08:01
3	CAL3	1	Water	NA	NA	20.3	10.02	12/10/2025	08:03
4	ICV	1	Water	NA	NA	20.3	7.01	12/10/2025	08:05
5	CCV1	1	Water	NA	NA	20.3	2.01	12/10/2025	08:10
6	Q3811-01	1	Water	NA	NA	20.2	6.88	12/10/2025	08:18
7	Q3811-01DUP	1	Water	NA	NA	20.3	6.90	12/10/2025	08:20
8	Q3811-02	1	Water	NA	NA	20.4	7.13	12/10/2025	08:30
9	Q3811-02DUP	1	Water	NA	NA	20.5	7.14	12/10/2025	08:33
10	Q3811-03	1	Water	NA	NA	20.3	7.38	12/10/2025	08:37
11	Q3811-03DUP	1	Water	NA	NA	20.4	7.40	12/10/2025	08:39
12	Q3822-01	1	Water	NA	NA	20.2	5.67	12/10/2025	08:45
13	Q3822-01DUP	1	Water	NA	NA	20.3	5.69	12/10/2025	08:47
14	Q3824-01	1	Water	NA	NA	20.4	5.98	12/10/2025	08:55
15	Q3824-01DUP	1	Water	NA	NA	20.6	6.00	12/10/2025	08:56
16	CCV2	1	Water	NA	NA	20.3	12.02	12/10/2025	09:00

WORKLIST(Hardcopy Internal Chain)

WP 138178

WorkList Name : ph w q3824

WorkList ID : 193559

Department : Wet-Chemistry

Date : 12-10-2025 07:41:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3811-01	C Outfall 001	Water	pH	Cool 4 deg C	DALT03	D31	11/20/2025	9040C
Q3811-02	C Outfall 002	Water	pH	Cool 4 deg C	DALT03	D31	11/20/2025	9040C
Q3811-03	C Outfall 003	Water	pH	Cool 4 deg C	DALT03	D31	11/20/2025	9040C
Q3822-01	A AUD-25-0205	Water	pH	Cool 4 deg C	PSEG03	D31	12/09/2025	9040C
Q3824-01	A TRE-25-0135	Water	pH	Cool 4 deg C	PSEG03	D31	12/09/2025	9040C

07:50

Date/Time 12/10/25

Raw Sample Received by: 10160C1

Raw Sample Relinquished by: AP 8

Date/Time 12/10/25

Raw Sample Received by: CP 8

Raw Sample Relinquished by: 10160C1

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 12/10/2025

Run Number: LB138190

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 12/10/2025 14:00 **TEMP1 OUT:** 103 °C 12/10/2025 15:00
TEMP2 IN: 104 °C 12/10/2025 15:30 **TEMP2 OUT:** 104 °C 12/10/2025 16:30
TEMP3 IN: 104 °C 12/11/2025 09:30 **TEMP3 OUT:** 103 °C 12/11/2025 11:10
TEMP4 IN: 104 °C 12/11/2025 12:00 **TEMP4 OUT:** 103 °C 12/11/2025 12:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB138190BL	LB138190BL	1.3574	1.3574	100	1.3575	1.3575	1.3575	0.0001	1
2	LB138190BS	LB138190BS	1.5963	1.5964	100	1.6541	1.6541	1.6541	0.0577	577
3	Q3793-01	MH-1252025	1.4726	1.4727	500	1.5555	1.5555	1.5555	0.0828	165.6
4	Q3793-01DUP	MH-1252025DUP	1.4857	1.4857	500	1.5689	1.5689	1.5689	0.0832	166.4
5	Q3811-01	Outfall 001	1.4962	1.4962	1300	1.5034	1.5034	1.5034	0.0072	5.5
6	Q3811-02	Outfall 002	1.4812	1.4812	1300	1.5173	1.5173	1.5173	0.0361	27.8
7	Q3811-03	Outfall 003	1.5013	1.5013	1500	1.5396	1.5396	1.5396	0.0383	25.5
8	Q3830-02	COMP	1.4939	1.4939	700	1.5542	1.5542	1.5542	0.0603	86.1

A = Sample Volume (ml)
 B = Final Empty Dish Weight (g)
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)
 D = Weight (g)

Weight (g) = C - B

Result mg/L = $\frac{D}{A} \times 1000 \times 1000$

2B138190

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TSS Q3793 WorkList ID : 193581 Department : Wet-Chemistry Date : 12-11-2025 07:49:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3793-01	C MH-1252025	Water	TSS	Cool 4 deg C	EURO03	D11	12/05/2025	SM2540 D
Q3811-01	Outfall 001 C.D	Water	TSS	Cool 4 deg C	DALT03	D31	11/20/2025	SM2540 D
Q3811-02	Outfall 002 C.D	Water	TSS	Cool 4 deg C	DALT03	D31	11/20/2025	SM2540 D
Q3811-03	Outfall 003 C.D	Water	TSS	Cool 4 deg C	DALT03	D31	11/20/2025	SM2540 D
Q3830-02	17 COMP	Water	TSS	Cool 4 deg C	ARAM01	D11	12/10/2025	SM2540 D

Date/Time 12-11-25 08:00
Raw Sample Received by: JDC SM
Raw Sample Relinquished by: JDC SM

Date/Time 12-11-25
Raw Sample Received by: JDC SM
Raw Sample Relinquished by: JDC SM

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB138178

Review By	jignesh	Review On	12/10/2025 10:40:51 AM
Supervise By	Iwona	Supervise On	12/10/2025 11:19:19 AM
SubDirectory	LB138178	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	W3264,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	12/10/25 08:00		jignesh	OK
2	CAL2	CAL2	CAL	12/10/25 08:01		jignesh	OK
3	CAL3	CAL3	CAL	12/10/25 08:03		jignesh	OK
4	ICV	ICV	ICV	12/10/25 08:05		jignesh	OK
5	CCV1	CCV1	CCV	12/10/25 08:10		jignesh	OK
6	Q3811-01	Outfall 001	SAM	12/10/25 08:18		jignesh	OK
7	Q3811-01DUP	Outfall 001DUP	DUP	12/10/25 08:20		jignesh	OK
8	Q3811-02	Outfall 002	SAM	12/10/25 08:30		jignesh	OK
9	Q3811-02DUP	Outfall 002DUP	DUP	12/10/25 08:33		jignesh	OK
10	Q3811-03	Outfall 003	SAM	12/10/25 08:37		jignesh	OK
11	Q3811-03DUP	Outfall 003DUP	DUP	12/10/25 08:39		jignesh	OK
12	Q3822-01	AUD-25-0205	SAM	12/10/25 08:45		jignesh	OK
13	Q3822-01DUP	AUD-25-0205DUP	DUP	12/10/25 08:47		jignesh	OK
14	Q3824-01	TRE-25-0135	SAM	12/10/25 08:55		jignesh	OK
15	Q3824-01DUP	TRE-25-0135DUP	DUP	12/10/25 08:56		jignesh	OK
16	CCV2	CCV2	CCV	12/10/25 09:00		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB138190

Review By	jignesh	Review On	12/12/2025 9:28:21 AM
Supervise By	Iwona	Supervise On	12/12/2025 9:32:42 AM
SubDirectory	LB138190	Test	TSS
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	LB138190BL	LB138190BL	MB	12/11/25 09:30		jignesh	OK
2	LB138190BS	LB138190BS	LCS	12/11/25 09:30	55 mg w3186 + 100 ml w3112	jignesh	OK
3	Q3793-01	MH-1252025	SAM	12/11/25 09:30		jignesh	OK
4	Q3793-01DUP	MH-1252025DUP	DUP	12/11/25 09:30		jignesh	OK
5	Q3811-01	Outfall 001	SAM	12/11/25 09:30		jignesh	OK
6	Q3811-02	Outfall 002	SAM	12/11/25 09:30		jignesh	OK
7	Q3811-03	Outfall 003	SAM	12/11/25 09:30		jignesh	OK
8	Q3830-02	COMP	SAM	12/11/25 09:30		jignesh	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3811

Test : pH,TSS

Prepbatch ID :

Sequence ID/Qc Batch ID: LB138178, LB138190,

Standard ID :

Chemical ID :

W3093, W3161, W3191, W3200, W3217, W3264,

CHEMICAL RECEIPT LOG BOOK

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.	AL13850-1 / Buffer Solution, PH2 (500ml)	2411E26	10/31/2026	12/09/2024 / lwona	12/09/2024 / lwona	W3161

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	2410F80	03/31/2026	04/01/2025 / JIGNESH	03/13/2025 / jignesh	W3191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
RICCA CHEMICAL COMPANY	1615-16 / pH 12.00 Buffer	2504F20	09/30/2026	04/11/2025 / lwona	04/11/2025 / lwona	W3200

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	2504D34	03/31/2027	07/02/2025 / jignesh	06/26/2025 / lwona	W3217

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	2506L41	05/31/2027	12/09/2025 / jignesh	12/03/2025 / jignesh	W3264

**RICCA CHEMICAL COMPANY®**

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Batesville, IN 47006

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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

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Certificate of Analysis

Buffer, Reference Standard, pH 2.00 ± 0.01 at 25°C**Lot Number:** 2411E26**Product Number:** 1493**Manufacture Date:** NOV 11, 2024**Expiration Date:** OCT 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	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)	1.994	0.02	185i, 186-I-g, 186-II-g

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)
1493-1	4 L natural poly	24 months
1493-16	500 mL natural poly	24 months
1493-1CT	4 L Cubitainer®	24 months
1493-2.5	10 L Cubitainer®	24 months
1493-32	1 L natural poly	24 months

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



Jose Pena (11/11/2024)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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Pocomoke City, MD 21851
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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: 2410F80

Product Number: 1601

Manufacture Date: OCT 09, 2024

Expiration Date: MAR 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	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

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	10.009	0.02	186-I-g, 186-II-g, 191d

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

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)
1601-1	4 L natural poly	18 months
1601-16	500 mL natural poly	18 months
1601-1CT	4 L Cubitainer®	18 months
1601-2.5	10 L Cubitainer®	18 months
1601-32	1 L natural poly	18 months
1601-5	20 L Cubitainer®	18 months

Version: 1.3

Lot Number: 2410F80

Product Number: 1601

Page 1 of 2



Certificate of Analysis

Buffer, Reference Standard, pH 12.00 ± 0.01 at 25°C**Lot Number:** 2504F20**Product Number:** 1615**Manufacture Date:** APR 08, 2025**Expiration Date:** SEP 2026

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 (from 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)	12.009	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
1615-5	20 L Cubitainer®	18 months

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



Jose Pena (04/08/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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Certificate of Analysis

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

Lot Number: 2504D34

Product Number: 1551

Manufacture Date: APR 03, 2025

Expiration Date: MAR 2027

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 (from ACS)

Test	Specification	Result
Appearance	Yellow liquid	Passed *Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.003	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 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)
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months

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



Jose Pena (04/03/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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Certificate of Analysis

W3264
009421
12/09/12
2025
58

Buffer, Reference Standard, pH 4.00 ± 0.01 at 25°C (Color Coded Red)**Lot Number: 2506L41****Product Number: 1501****Manufacture Date: JUN 16, 2025****Expiration Date: MAY 2027**

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 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)
1501-1	4 L natural poly	24 months
1501-1CT	4 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)



SHIPPING DOCUMENTS



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

www.chemtech.net

ALLIANCE PROJECT NO. Q 3811

COC Number 2047202

CLIENT INFORMATION

COMPANY: Daltile LLC
REPORT TO BE SENT TO:
ADDRESS: 359 Clay Rd
CITY: Sunnyvale STATE: TX ZIP: 75182
ATTENTION: Gary Edwards
PHONE: 817-456-5697 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Semi Annual Sampling
PROJECT NO.: 2nd half
LOCATION: Sunnyvale
PROJECT MANAGER: Michael Gill
e-mail:
PHONE: 469-387-8298 FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ALLIANCE SAMPLE ID	PROJECT IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
					DATE	TIME		1	2	3	4	5	6	7	8	9			
1.	Outfall 001	W		X	11/20	3:00	3	X	X	X									
2.	Outfall 002	W		X	11/20	3:00	3	X	X	X									
3.	Outfall 003	W		X	11/20	3:00	3	X	X	X									
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

RELINQUISHED BY SAMPLER: 1. Gary Edwards DATE/TIME: 11/20 3:00pm RECEIVED BY: _____	RELINQUISHED BY SAMPLER: 2. _____ DATE/TIME: 11-20 RECEIVED BY: _____	RELINQUISHED BY SAMPLER: 3. _____ DATE/TIME: _____ RECEIVED BY: _____
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY		
Comments: Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP _____ °C		
CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other _____		
Page _____ of _____		
Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO		

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT
YELLOW - ALLIANCE COPY
PINK - SAMPLER COPY

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From: Michel GIL <michel.gil@daltile.com>
Sent: Monday, December 08, 2025 1:20 PM
Subject: RE: melted Ice

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

Secured by Check Point

Yes, that is fine

Michel E. Gil
Sr. Environmental & Sustainability Engineer | Dal-Tile LLC
7834 C. F. Hawn Freeway | Dallas, TX 75217
Office: 214.309.4003
E-Mail: michel.gil@daltile.com
daltile.com | americanolean.com | marazzitile.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, December 8, 2025 12:12 PM
To: Michel GIL <michel.gil@daltile.com>
Subject: [EXTERNAL] Re: melted Ice

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all sample received without Preservation. Can lab preservation the samples in Lab ?

Thanks & Regards,



Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900



Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com



From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, December 8, 2025 1:06 PM
To: Michel GIL <michel.gil@daltile.com>
Subject: Re: melted Ice

sure we will

Thanks & Regards,



Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900

Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

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From: Michel GIL <michel.gil@daltile.com>
Sent: Monday, December 8, 2025 1:03 PM
To: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Subject: RE: melted Ice

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Are you able to proceed?

Thanks!

Michel E. Gil

Sr. Environmental & Sustainability Engineer | Dal-Tile LLC

7834 C. F. Hawn Freeway | Dallas, TX 75217

Office: 214.309.4003

E-Mail: michel.gil@daltile.com

daltile.com | americanolean.com | marazzitile.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>

Sent: Monday, December 8, 2025 11:45 AM

To: Michel GIL <michel.gil@daltile.com>

Subject: [EXTERNAL] melted Ice

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hello,

lab received sample on 12/8/2025 with melted ice high temperature 12.9 degree , let's us know how to proceed with analysis ?

Thanks & Regards,



Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900

Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com



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Virginia	460312