

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 OR	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



LAB CHRONICLE

OrderID: Q3180

Client: Aramark Uniforms

Contact: Jarrod Mills

OrderDate: 9/24/2025 11:16:00 AM

Project: Monthly 2025

Location: J51

LabID	ClientID	Matrix	Test	Method Sample Date	Prep Date	Anal Date	Received
Q3180-01	Grab	WATER		09/24/25			09/24/25
				10:23			
			TPH	1664A		09/26/25	
						10:00	
Q3180-02	Comp	WATER		09/24/25			09/24/25
				10:25			
			BOD5	SM5210 B		09/25/25	
						10:00	
			TSS	SM2540 D		09/26/25	
						09:30	



SAMPLE DATA



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

Fax: 908 789 8922

Report of Analysis

Client: Aramark Uniforms Date Collected: 09/24/25 10:23 Project: Date Received: Monthly 2025 09/24/25 Client Sample ID: SDG No.: Q3180 Grab Lab Sample ID: Q3180-01 Matrix: WATER % Solid: 0

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ТРН	37.6	1 0.29	5.00	mg/L		09/26/25 10:00	1664A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



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

Fax: 908 789 8922

Report of Analysis

Client: Aramark Uniforms Date Collected: 09/24/25 10:25 Project: Monthly 2025 Date Received: 09/24/25 Client Sample ID: SDG No.: Q3180 Comp Q3180-02 Lab Sample ID: Matrix: WATER % Solid: 0

Parameter	Conc. Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
BOD5	3570	1	0.20	2.00	mg/L		09/25/25 10:00	SM 5210 B-16
TSS	908	1	1.00	4.00	mg/L		09/26/25 09:30	SM 2540 D-20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY





Preparation Blank Summary

Client: Aramark Uniforms SDG No.: Q3180

Project: Monthly 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: BOD5	LB137318BL mg/L	< 0.2000	0.2000	U	0.20	2.0	09/25/2025
Sample ID:	LB137327BL mg/L	< 2.5000	2.5000	Ū	0.29	5.0	09/26/2025
Sample ID:	LB137328BL mg/L	< 2.0000	2.0000	U	1	4	09/26/2025



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

Fax: 908 789 8922

Duplicate Sample Summary

Client: Aramark Uniforms SDG No.: Q3180

Project: Monthly 2025 Sample ID: LB137327BS

Client ID: LB137327BSD 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	
ТРН	mg/L	+/-18	16.8		17.0		1	1.18		09/26/2025	



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Fax: 908 789 8922

Duplicate Sample Summary

Client: Aramark Uniforms SDG No.: Q3180

Project: Monthly 2025 Sample ID: Q3180-02

Client ID: CompDUP 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
BOD5	mg/L	+/-20	3570		3480		1	2.55		09/25/2025
TSS	mg/L	+/-5	908		904		1	0.44		09/26/2025





Client: Aramark Uniforms SDG No.: Q3180

Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137318BS								
BOD5		mg/L	198	193		97	1	84.6-115.4	09/25/2025





Client: Aramark Uniforms SDG No.: Q3180

Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137327BS								
TPH		mg/L	20.0	16.8		84	1	78-114	09/26/2025





Client: Aramark Uniforms SDG No.: Q3180

Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137327BSD								_
TPH		mg/L	20.0	17.0		85	1	78-114	09/26/2025





Client: Aramark Uniforms SDG No.: Q3180

Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137328BS								
TSS		mg/L	550	531		96	1	90-110	09/26/2025



RAW DATA

Alliance

QC BATCH ID: LB137318

BOD Water: WP114908

Starch: W3149

POLYSEED: WP114910

GGA: WP114909

Sulfuric acid, 1N: WP112832

Chlorine Strips: W3155

pH Strips: W3215

BOD5 LOG

ANALYST: rubirInst Id :DO METER

Reviewed By:lwona On:9/30/2025 12:<u>11:22</u>

SUPERVISOR: Iwona

Analysis Date: 09/25/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114920

Lab SampleID	Client ID	Bottle No.	VOL.	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Barometric Pressurel: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.65 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB137318

INCUBATOR TEMP IN(C): 20.3

TIME IN: 10:00

DATE IN: 09/25/2025

INCUBATOR TEMP OUT (C): 19.8

TIME OUT: 09:20

DATE OUT: 09/30/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB137318BL	1	No	6.59	N/A	20.90	300	9.68	9.66	0.02	0.02	0.02	
POLYSEED	1					10	9.63	6.67	2.96	0.59	0.63	
POLYSEED	2					15	9.59	4.53	5.06	0.67		
POLYSEED	3					20	9.52	3.23	6.29	0.63		
GGA	1					6	9.52	5.09	4.43	190	192.83	
GGA	2					6	9.50	5.00	4.5	193.5		
GGA	3					6	9.50	4.97	4.53	195		
Q3168-05	1	No	5.77	6.81	20.20	5	9.61	7.60	2.01	82.8	72.22	pH Adjuste
Q3168-05	2					20	9.52	4.78	4.74	61.65		
Q3168-05	3					50	8.93	0.24	-	0		
Q3168-05	4					150	7.27	0.19	-	0		
Q3168-06	1	No	6.32	6.92	20.20	5	9.59	6.98	2.61	118.8	107.1	pH Adjuste
Q3168-06	2					20	9.42	2.43	6.99	95.4		
Q3168-06	3					50	8.71	0.20	-	0		
Q3168-06	4					150	7.21	0.12	-	0		
Q3180-02	1	No	6.76	N/A	20.30	5	9.41	2.83	6.58	3570	3570	
Q3180-02	2					10	9.35	0.11	-	0		
Q3180-02	3					20	9.14	0.09	-	0		
Q3180-02	4					30	9.03	0.07	-	0		
Q3180-02DUP	1	No	6.76	N/A	20.30	5	9.42	2.99	6.43	3480	3480	
Q3180-02DUP	2					10	9.36	0.15	-	0		
Q3180-02DUP	3					20	9.12	0.12	-	0		
Q3180-02DUP	4					30	9.04	0.10	-	0		
Q3184-01	1	No	7.67	7.31	20.50	1	9.45	7.40	2.05	42600	16504.5	pH Adjuste
Q3184-01	2					5	9.34	6.67	2.67	12240		
Q3184-01	3					10	9.27	6.42	2.85	6660		
Q3184-01	4					50	9.17	1.01	8.16	4518		
Q3184-01	5					100	9.01	0.46	-	0		
Q3184-05	1	No	4.91	7.01	20.30	1	9.46	7.76	-	0	5370	pH Adjuste
Q3184-05	2					5	9.42	7.40	2.02	8340		
Q3184-05	3					10	9.39	7.04	2.35	5160		
Q3184-05	4					50	9.21	4.23	4.98	2610		
Q3184-05	5					100	8.90	0.94	-	0		
Q3202-01	1	No	5.99	7.09	20.10	5	9.36	8.89	-	0		pH Adjuste
Q3202-01	2					20	9.24	8.81	-	0		
Q3202-01	3					50	9.07	8.65	-	0		
Q3202-01	4					150	8.25	8.11	-	0		
Q3202-03	1	No	5.46	6.85	20.10	5	9.60	8.69	-	0		pH Adjuste
Q3202-03	2					20	9.44	8.39	-	0		
Q3202-03	3					50	9.35	8.27	-	0		
Q3202-03	4					150	8.44	8.16	-	0		

Reviewed By:Iwona On:9/30/2025 12:11:22 5 Q3202-05 5.84 6.74 20.00 9.63 8.78 Inst Id :DO METER Q3202-05 2 20 9.60 8.51 0 LB:LB137318 Q3202-05 3 50 9.57 8.40 03202-05 4 150 8.97 7.49 Q3202-07 1 5.94 6.99 5 8.86 No 20.00 9.65 pH Adjuste Q3202-07 2 20 9.59 8.60 Q3202-07 3 50 9.33 8.29 Q3202-07 4 150 8.07 7.98 _ Q3202-09 1 5.83 7.23 20.00 5 9.61 8.88 pH Adjuste No 2 Q3202-09 20 9.57 8.68 0 Q3202-09 3 50 9.45 8.27 Q3202-09 4 150 8.68 8.12 Q3202-11 1 No 6.44 6.70 20.00 5 9.55 7.56 37.06 pH Adjuste 2 20 Q3202-11 9.47 6.03 3.44 42.15 3 Q3202-11 50 9.09 3.13 5.96 31.98 4 150 Q3202-11 6.94 0.96 1 6.23 Q3202-17 No 6.59 20.00 5 9.60 7.62 _ 45.05 pH Adjuste 2 Q3202-17 20 8.89 4.89 4 50.55 03202-17 3 50 8.30 1.08 7.22 39.54

150

6.02

0.49

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

Q3202-17

4

QA Control Code: A2040063 Page 3 of 3 SOP ID: MSMS210B-BOD/CBOD

eviewed By:lwona n:9/30/2025 12:11: M

CUC

(b13731B

WORKLIST(Hardcopy Internal Chain)

Minetal lates							2	
WOLKEIST Name:	D0d5-9-24	WorkList ID :	ID: 192047	Department :	Wet-Chemistry	Da	Date: 09-24-2025 12:51:32	25 12:51:32
Sample	Customer Sample	Matrix Test	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
03168-05	TOTES COMP#4							
	# LO COML#	Water	BODS	Cool 4 deg C	PSEG03	111	09/23/2025 SM5210 B	SM5210 B
Q3168-06	TOTES COMP#2	Water	BODS	Cash Mac				2017010
00,000				Cool 4 deg C	PSEG03	111	09/23/2025 SM5210 B	SM5210 B
ZU-001-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	151	3000/16/00	20702710
Q3184-01	FEFILIENT	10/01	1 (()			8	03/24/2023 SM3210 B	SI ULZCINIC
		water	BODS	Cool 4 deg C	HOLL01	J52	09/24/2025 SM5210 B	SM5240 B
Q3184-05	INFLUENT	Motor	000				2012-112020	GINIOZ IO D
		Maici	BUDS	Cool 4 deg C	HOLL01	J52	09/24/2025 SM5210 B	SM5210 B

Date/Time 09/25/2025

Date/Time 09/25/2025 Raw Sample Received by:

Raw Sample Relinquished by:

Raw Sample Relinquished by:

8187819

WORKLIST(Hardcopy Internal Chain)

WorkList Name:	bod5-09-25	WorkList ID	D: 192093	Department :	Department: Wet-Chemistry	G	Dafe : 09.25.2025.07.45.19	25.07.45.10
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
Q3202-01	SY-6	Manage						
		water	BODS	Cool 4 deg C	LOCK01	163	09/23/2025 SM5210 B	SM5210 B
Q3Z0Z-03	SY-2R	Water	BOD5	Cool 4 dea C	I OCKO	83		
Q3202-05	SY-2D	Mater	2000			22	US/23/2025 SM5210 B	SM5210 B
70 00000		, valci	BODS	Cool 4 deg C	LOCK01	163	09/23/2025 SM5210 B	SM5210 B
10-202CP	SY-5	Water	BOD5	Cool 4 deg C	LOCK01	63	3000/20/00	a oronno
Q3202-09	SY-3DD	Water	BOD5	Cook A load			B 0125/ROCO SIMISZ10 B	SIMDZTU B
O3202-11	C > 3			O fign t inno	LOCKUI	163	09/23/2025 SM5210 B	SM5210 B
	200	Water	BODS	Cool 4 deg C	LOCK01	163	09/23/2025 SME210 B	SME240 D
Q3202-17	SY-3	Water	BOD5	Cool 4 deg C	1 OCK04	183		CHIOCHIO
				,	100000	3	03/23/2125 SM5240 B	SM5210 B

09/23/2025 SM5210 B

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Raw Sample Received by: Raw Sample Relinquished by:

Date/Time



Extraction and Analytical Summary Report

Analysis Method: 1664A

Test: $\overline{\text{TPH}}$

Run Number: LB137327

Analysis Date: 09/26/2025

BalanceID: WC SC-5

OvenID: EXT OVEN-3

ANALYST: JIGNESH

REVIEWED BY: Iwona

Extraction Date: 09/26/2025

Extration IN Time: 08:14

Extration OUT Time: 09:15

Thermometer ID: $\overline{\text{EXT OVEN#3}}$

Dish #	Lab ID	Client ID	Matrix	рН	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight(g)	Silica Gel Weight(g)	Weight After Drying(g)	Final Weight After Drying(g)	Change Weight (g)	Result in ppm
1	LB137327BL	LB137327BL	WATER	1.3	1000	100	2.7413	2.7413	3.01	2.7414	2.7414	0.0001	0.1
2	LB137327BS	LB137327BS	WATER	1.3	1000	100	2.9633	2.9633	3.02	2.9801	2.9801	0.0168	16.8
3	LB137327BSD	LB137327BSD	WATER	1.3	1000	100	3.1402	3.1402	3.03	3.1572	3.1572	0.0170	17
4	Q3168-05	TOTES COMP#1	WATER	1.6	1000	100	3.0183	3.0183	18.04	3.4589	3.4589	0.4406	440.6
5	Q3168-06	TOTES COMP#2	WATER	1.6	1000	100	0.0003	0.0003	18.05	3.6646	3.6646	3.6643	3664.3
6	Q3180-01	Grab	WATER	1.6	1000	100	3.0214	3.0214	3.04	3.0590	3.0590	0.0376	37.6



QC Batch# LB137327

Test: TPH

Analysis Date:

09/26/2025

Chemicals Used:

Chemical Name	Chemical Lot #				
HEXANE	W3204				
pH Paper 0-14	M6069				
Sodium Sulfate	EP2636				
1:1 HCL	WP112782				
Silica Gel	W3079				
Sand	NA				

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	5.00 ML	WP112783
LCSWD	5.00 ML	WP112784
MS/MSD	N/A	N/A

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 10:46

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 10:00

Bal Check Time: 08:33 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 11:25

Out Time1: 10:45

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 12:31

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 12:00

Bal Check Time: 13:01 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 13:00

Out Time2: 12:30

Reviewed By: Iwona On:9/26/2025 1:37:47 PM Inst Id :WC SC-3 LB :LB137327

WORKLIST(Hardcopy Internal Chain)

WorkList ID: 192101 tph q3164 WorkList Name:

Department: Wet-Chemistry

NB13434

		- CHAPTER ID	192101	Department: We	Wet-Chemistry	č	Date: 09-26-2025 07:42:18	25 07:42:18	
Sample	Customer Sample	Matrix Test	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method	-
0.000					2				_
U3168-05	TOTES COMP#1	Water	ТРН	Conc H2SOA to all / 2					_
03168.06	CHATTO CONTO				roegus	111	09/23/2025 1664A	1664A	_
20-00-08	IOIES COMP#2	Water	TPH	Conc H2SO4 to nH < 2	DOECON	144			
03180-01	1	ı			- 1	110	09/23/2025 1664A	1664A	
10-0010%	Glab	Water	TPH	Conc H2SO4 to pH < 2	ADAMOA O	1			
				2 IId or toom care	IOMPAR	JSJ	09/24/2025 1664A	1664A	

Date/Time $09(\lambda 6/\lambda 5)$

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Date/Time 09/1/6/45 07:50

Raw Sample Received by:

Raw Sample Relinquished by:



TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: JIGNESH

Date: 09/25/2025

Run Number: LB137328

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 60828725

104 °C 09/25/2025 14:00 TEMP1 OUT: 103 °c 09/25/2025 15:00 TEMP1 IN: TEMP2 IN:

104 °C 09/25/2025 15:30 TEMP2 OUT: 103 °C 09/25/2025 16:30

104 °C 09/26/2025 09:30 TEMP3 OUT: 103 °C 09/26/2025 11:10 TEMP3 IN:

104 °C 09/26/2025 11:40 TEMP4 OUT: 103 °c 09/26/2025 13:00 TEMP4 IN: ThermometerID: WET OVEN#1

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	LB137328BL	LB137328BL	1.3524	1.3525	100	1.3525	1.3525	1.3525	0.0000	0
2	LB137328BS	LB137328BS	1.4843	1.4844	100	1.5375	1.5375	1.5375	0.0531	531
3	Q3168-05	TOTES COMP#1	1.4720	1.4720	1000	1.5085	1.5086	1.5086	0.0366	36.6
4	Q3168-06	TOTES COMP#2	1.5004	1.5004	1000	1.5374	1.5375	1.5375	0.0371	37.1
5	Q3180-02	Comp	1.4935	1.4935	50	1.5389	1.5389	1.5389	0.0454	908
6	Q3180-02DUP	CompDUP	1.4856	1.4857	50	1.5309	1.5309	1.5309	0.0452	904
7	Q3184-01	EFFLUENT	1.4860	1.4861	20	1.5328	1.5328	1.5328	0.0467	2335
8	Q3184-04	AERATION	1.4943	1.4943	20	1.5717	1.5717	1.5717	0.0774	3870

Sample Volume (ml)

Final Empty Dish Weight (g)

Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)

Weight (g)

Weight (g) =C - B

D Result mg/L =1000 1000 Α

WORKLIST(Hardcopy Internal Chain)

W3 134328

						•		
WorkList Name :	tss q3184	WorkList ID:	ID: 192099	Department:	Department: Wet-Chemistry		Date: 09-26-2025 07-38-23	05.07-38-03
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
03168-05	S C MANOG SELOT							
20-00-00	IOIES COMP#1 // C	Water TSS	TSS	Cool 4 dea C	DOEGO	7		
Q3168-06	TOTES COMP#2 N	Wester	CO		- OF GO	-	09/23/2025	09/23/2025 SM2540 D
Ç	N/1 == 1000	water	193	Cool 4 deg C	PSEG03	111	09/23/2025	09/23/2025 SM2540 D
Q3180-02 M	Comp	Water	100 H				202020	OINESTA D
			2	C001 4 deg C	A D A R A D A			

09/24/2025 SM2540 D 09/24/2025 SM2540 D

J52 **J**51

ARAM01 HOLL01 HOLL01

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

TSS TSS TSS

Water Water Water

> **EFFLUENT AERATION**

Q3184-01 Q3184-04

J52

09/24/2025 SM2540 D

Date/Time OG/1/6/1/ S

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Raw Sample Relinquished by:

Raw Sample Received by:



Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QCBatch ID # LB137318

Review By	rub	ina	Review On	9/30/2025 12:10:59 PM			
Supervise By	lwc	ona	Supervise On	9/30/2025 12:11:22 PM			
SubDirectory	LB	137318	Test	BOD5			
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		WP114908,W3149,WP1	112832,W3103,W3109,W3105,WP1149	110,WP114909,WP113878			

Sr#	Sampleld	ClientID	QcType	Date	Comment	Operator	Status
1	LB137318BL	LB137318BL	MB	09/25/25 10:00		rubina	ОК
2	LB137318BS	LB137318BS	LCS	09/25/25 10:00		rubina	ОК
3	Q3168-05	TOTES COMP#1	SAM	09/25/25 10:00		rubina	OK
4	Q3168-06	TOTES COMP#2	SAM	09/25/25 10:00		rubina	ОК
5	Q3180-02	Comp	SAM	09/25/25 10:00		rubina	ОК
6	Q3180-02DUP	CompDUP	DUP	09/25/25 10:00		rubina	ОК
7	Q3184-01	EFFLUENT	SAM	09/25/25 10:00	Due to bad matrix difference between highest and lowest results is >30% for	rubina	ОК
8	Q3184-05	INFLUENT	SAM	09/25/25 10:00	Due to bad matrix difference between highest and lowest results is >30% for	rubina	ОК
9	Q3202-01	SY-6	SAM	09/25/25 10:00		rubina	ОК
10	Q3202-03	SY-2R	SAM	09/25/25 10:00		rubina	ОК
11	Q3202-05	SY-2D	SAM	09/25/25 10:00		rubina	OK
12	Q3202-07	SY-5	SAM	09/25/25 10:00		rubina	OK
13	Q3202-09	SY-3DD	SAM	09/25/25 10:00		rubina	ОК
14	Q3202-11	SY-3D	SAM	09/25/25 10:00		rubina	ОК
15	Q3202-17	SY-3	SAM	09/25/25 10:00		rubina	OK



Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137327

Review By	JIG	SNESH	Review On	9/26/2025 11:03:56 AM				
Supervise By	lwc	ona	Supervise On	9/26/2025 1:37:47 PM				
SubDirectory	LB	137327	Test	TPH				
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		W3204,M6069,EP2636	WP112782,W3079,NA,WP112783,WP	112784,N/A				

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137327BL	LB137327BL	МВ	09/26/25 10:00		JIGNESH	ок
2	LB137327BS	LB137327BS	LCS	09/26/25 10:00		JIGNESH	ок
3	LB137327BSD	LB137327BSD	LCSD	09/26/25 10:00		JIGNESH	ОК
4	Q3168-05	TOTES COMP#1	SAM	09/26/25 10:00		JIGNESH	ОК
5	Q3168-06	TOTES COMP#2	SAM	09/26/25 10:00		JIGNESH	ОК
6	Q3180-01	Grab	SAM	09/26/25 10:00		JIGNESH	ок



Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137328

Review By JIGNESH		NESH	Review On	9/26/2025 12:50:19 PM
Supervise By	Supervise By Iwona		Supervise On	9/26/2025 1:36:49 PM
SubDirectory	SubDirectory LB137328		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	LB137328BL	LB137328BL	МВ	09/26/25 09:30		JIGNESH	ок
2	LB137328BS	LB137328BS	LCS	09/26/25 09:30	55 mg w3186 + 100 ml w3112	JIGNESH	OK
3	Q3168-05	TOTES COMP#1	SAM	09/26/25 09:30		JIGNESH	ок
4	Q3168-06	TOTES COMP#2	SAM	09/26/25 09:30		JIGNESH	ок
5	Q3180-02	Comp	SAM	09/26/25 09:30		JIGNESH	ок
6	Q3180-02DUP	CompDUP	DUP	09/26/25 09:30		JIGNESH	ОК
7	Q3184-01	EFFLUENT	SAM	09/26/25 09:30		JIGNESH	ОК
8	Q3184-04	AEIRATION	SAM	09/26/25 09:30		JIGNESH	ОК



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

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID :	Q3180
Test:	BOD5,TPH,TSS
Prepbatch ID :	
Sequence ID/Qc Bate	ch ID: LB137318,LB137327,LB137328,
Coquento 15/Q0 But	
Standard ID : EP2636,WP112782,V	VP112783,WP112784,WP112832,WP113878,WP114908,WP114909,WP114910,
Chemical ID :	
E3875,E3917,M6041	,M6069,M6151,W2653,W2654,W2817,W2871,W3009,W3079,W3082,W3103,W3105,W3109,W31
12,W3113,W3149,W3	3204,\\3212,\\3233,





Extractions STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Evelyn Huang
3923	Baked Sodium Sulfate	<u>EP2636</u>	08/27/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2	None	08/27/2025
					•	(EX-SC-2)		

FROM 4000.0000gram of E3875 = Final Quantity: 4000.000 gram

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
229	1:1 HCL	WP112782	04/22/2025	08/18/2025	Jignesh Parikh	None	None	Ţ
								04/22/2025

FROM 500.00000ml of M6151 + 500.00000ml of W3112 = Final Quantity: 1.000 L



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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	
2470	1664A SPIKING SOLN	WP112783	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_S	None		
						CALE_8 (WC		04/22/2025	
	SU-7)								

<u>FROM</u>	1000.00000ml of E3917 + 4.00000 gram of W2817 + 4.00000 gram of W2871 = Final Quantity: 1000.000 ml	

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
3374	1664A QCS spiking solution-SS	WP112784	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_S	None	
						CALE_8 (WC		04/22/2025

FROM 1000.00000ml of E3917 + 4.00000gram of W3009 + 4.00000gram of W3082 = Final Quantity: 1000.000 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	
1841	Sulfuric Acid, 1N	WP112832	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	04/25/2025	
FROM	(WC)								

FROM	2.80000ml of M6041 + 97.20000ml of W3112 = Final Quantity: 100.000 ml	
-------------	---	--

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Jignesh Parikh
1571	Sodium hydroxide, 1N	WP113878	07/09/2025	12/31/2025	lwona Zarych	WETCHEM_S	None	
						CALE_7 (WC		07/09/2025

FROM 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 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
127	BOD Dilution fluid	WP114908	09/25/2025	09/26/2025	Rubina Mughal	None	None	IWONG Zaryon
								09/26/2025

FROM	18.00000L of W3112 + 3.00000PILLOW of W3233 = Final Quantity: 18.000 L
-------------	--

Recipe ID	<u>NAME</u>	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarych
129	Glutamic acid-glucose mix for BOD	<u>WP114909</u>	09/25/2025	09/26/2025	Rubina Mughal	WETCHEM_S CALE_7 (WC	None	09/26/2025

FROM 0.15000gram of W2653 + 0.15000gram of W2654 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml





Wet Chemistry STANDARD PREPARATION LOG

Recipe ID 128	NAME polyseed seed control	NO. WP114910	Prep Date 09/25/2025	Expiration Date 09/26/2025	Prepared By Rubina Mughal	<u>ScaleID</u> None	PipetteID None	Supervised By Iwona Zarych 09/26/2025
FROM	1.00000PILLOW of W3212 + 300.00	000ml of WF	P114908 = Fi	nal Quantity: 30	00.000 ml			



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
PCI Scientific Supply, Inc.	140440 / TEST PAPERS,PH,0-2.5,.2SENSI, 100PK	80A0441	02/29/2028	09/03/2024 / jignesh	08/19/2024 / Jaswal	M6069
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AC156212500 / GLUTAMIC ACID BIOCHEM REG, 250G	A0405990	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2653



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	D16-500 / DEXTROSE ANHYDROUS ACS REAGENT, 500G(New)	186122A	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2654
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U20E006	04/02/2026	04/02/2021 / apatel	04/02/2021 / apatel	W2817
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	0000266903	05/04/2027	09/07/2021 / apatel	08/26/2021 / apatel	W2871
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	SHBP8192	02/27/2028	02/27/2023 / Iwona	02/27/2023 / Iwona	W3009
Seidler Chemical Supplier		SHBP8192	02/27/2028 Expiration Date			W3009 Chemtech Lot #
	99.0%		Expiration	Iwona Date Opened /	Iwona Received Date /	Chemtech
Supplier PCI Scientific	ItemCode / ItemName 04667-2.5 / Silica Gel	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By 01/30/2024 /	Chemtech Lot #



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	4620-32 / MANGANOUS SULFATE SOLUTION-364	2403J02	03/31/2026	04/22/2024 / Iwona	04/22/2024 / Iwona	W3103
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.	AL04100-4 / Alkaline lodide Azide, 1 L	1405D67	04/30/2026	05/23/2024 / Iwona	05/23/2024 / Iwona	W3109
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / Iwona	W3112
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
				10/16/2024 /	10/16/2024 /	



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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25c0362005	04/30/2026	04/22/2025 / jignesh	04/18/2025 / jignesh	W3204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	136742-80 / POLYSEED	132409	09/30/2026	05/21/2025 / lwona	05/21/2025 / Iwona	W3212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	1486266 / BOD Nutrient Buffer Pillows, 6 mL concentrate to make 6 L, 50/pk	A5105	05/31/2030	08/14/2025 / rubina	07/21/2025 / Iwona	W3233



Material No.: H223-57 Batch No.: 0000266903

Manufactured Date: 2020/05/05

Retest Date: 2027/05/04 Revision No: 1

Certificate of Analysis

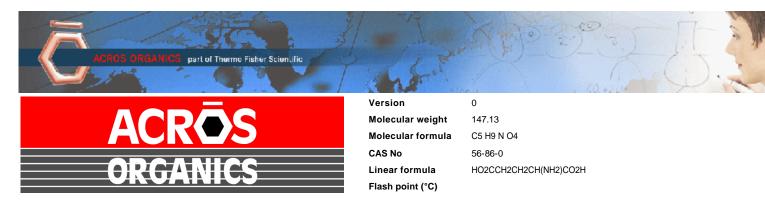
Test	Specification	Result
Assay (CH3(CH2)14CH3) (by GC)	>= 99.0 %	99.3
Infrared Spectrum	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: US

Packaging Site: Paris Mfg Ctr & DC





Certificate of Analysis

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

Catalog Number	15621	Quality Test / Release Date	13 March 2019	
Lot Number	A0405990	Suggested Retest Date	March 2022	
Description	L(+)-Glutamic acid,99%			
Country of Origin	CHINA			
Declaration of Origin	plant	plant		

Origin Comment	The product is made by fermentation of sugar molasses	
----------------	---	--

Result Name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Titration with NaOH	98.5 to 100.5 % (On dried substance)	99.32 % (On dried substance)
Loss on drying	=<0.5 % (105°C, 3 hrs)	0.002 % (105°C, 3 hrs)
Heavy metals (as Pb)	=<10 ppm	=<10 ppm
Sulfated ash	=<0.1 %	0.08 %
Other amino acids	not detectable	not detectable
Specific optical rotation	+30.5° to +32.5° (20°C, 589 nm) (on dried substance)	+32° (20°C, 589 nm) (on dried substance)
Specific optical rotation	(c=10, 2N HCI)	(c=10, 2N HCI)
Chloride (CI)	=<200 ppm	=<200 ppm
Iron (Fe)	=<30 ppm	=<10 ppm
Sulfate (SO4)	=<300 ppm	=<200 ppm
Ammonium (NH4)	=<200 ppm	=<200 ppm
Arsenic oxide (As2O3)	=<1 ppm	=<1 ppm





L. Van den Broek, QA Manager

Acros Organics ENA23, zone 1, nr 1350, Janssen Pharmaceuticalaan 3a, B-2440 Geel, Belgium Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: http://www.acros.com 1 Reagent Lane, Fair Lawn, NJ 07410,USA Fax 201-796-1329

Issued: 24 January 2020

Thermo Fisher SCIENTIFIC

W 2817 Nec. 04/02/2021

Product Specification

Product Name:

Stearic acid, 98%, Thermo Scientific Chemicals

Catalog Number:

A12244.14

CAS Number:

57-11-4

Molecular Formula:

C18H36O2

Molecular Weight:

284.48

InChi Key:

QIQXTHQIDYTFRH-UHFFFAOYSA-N

SMILES:

CCCCCCCCCCCCCC(O)=O

Synonym:

stearic acid acide stearique hydrofol acid 1855 hydrofol acid 1655 industrene 5016

stearic acid, ion(1-) (8CI) glycon TP glycon DP acidum stearinicul hydrofol acid 150

Product Specification

Appearance (Color):

White

Form:

Crystals or powder or crystalline powder or flakes or waxy solid

Assay (Silylated GC):

≥97.5%

Melting Point (clear melt):

67.0-74.0?C

Date Of Print:

11/30/2023

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

W3009 Lec. 2/27/2023

12

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

CH₃(CH₂)₁₄CH₃

Hexadecane - ReagentPlus®, 99%

Product Number:

H6703

Batch Number:

SHBP8192

Brand:

SIAL

CAS Number:

544-76-3

MDL Number:

MFCD00008998

Formula:

C16H34

Formula Weight:

226.44 g/mol

Quality Release Date:

04 AUG 2022

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

Larry Coers, Director **Quality Control**

Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis Page 1 of 1



Certificate of Analysis

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

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

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

Catalog Number	D16	Quality Test / Release Date	03/19/2019
Lot Number	186122A		
Description	DEXTROSE, ANHYDROUS, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Mar/2022
Chemical Origin	Organic - Plant		
BSE/TSE Comment	No animal products are used as starting processing aids, or any other material that	•	
Chemical Comment			

N/A				
Result Name	Units	Specifications	Test Value	
APPEARANCE		REPORT	White, granular powder	
TITRATABLE ACID	MEQ/G	<= 0.002	<0.002	
STARCH		= PASS TEST	pass test	
SPECIFIC ROTATION @ 25 C	DEGREES (+ OR -)	Inclusive Between +52.5 - +53.0	53.0	
SULFATE & SULFITE	%	<= 0.005	<0.005	
IRON (Fe)	ppm	<= 5	<5	
CHLORIDE	%	<= 0.01	<0.01	
IGNITION RESIDUE	%	<= 0.02	<0.02	
IDENTIFICATION	PASS/FAIL	= PASS TEST	pass test	
HEAVY METALS (as Pb)	ppm	<= 5	<5	
LOSS ON DRYING @ 105 C	%	<= 0.2	<0.2	
INSOLUBLE MATTER	%	<= 0.005	0.002	

Derisa Bailey- Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn



Mirador 201, Col. Mirador Monterrey, N.L. México CP 64070 TEL +52 81 13 52 57 57 www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT:

SODIUM SULFATE CRYSTALS ANHYDROUS

QUALITY:

ACS (CODE RMB3375)

FORMULA:

Na₂SO₄

MEMPERS A

SPECIFICATION NUMBER: 6399

RELEASE DATE:

MAY/23/2024

LOT NUMBER:

417203

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (CI)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
dentification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

QC: PhC Irma Belmares

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

Acetone BAKER RESI-ANALYZED® Reagent For Organic Residue Analysis



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test		
	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected forwater) Color (APHA)	>= 99.4 %	
Residue after Evaporation	<= 10	100.0 % 5
Substances Reducing Permanganate	<= 1.0 ppm	0.0 ppm
Titrable Acid (µeq/g)	Passes Test	Passes Test
Fitrable Base (µeq/g)	<= 0.3	0.2
Vater (H ₂ O)	<= 0.6	<0.1
ID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak	<= 0.5 %	<0.1 %
CD Sensitive Impurities (as HeptachlorEpoxide) Single Peak	\ - 3	1
og/mL) (as neptachlorEpoxide) Single Peak	<= 10	1

For Laboratory, Research, or Manufacturing Use MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP cn 03/31/25



Director Quality Operations, Bioscience Production

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





Material No.: 9673-33

Batch No.: 23D2462010 Manufactured Date: 2023-03-22

Retest Date: 2028-03-20

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H2SO4)	95.0 - 98.0 %	96,1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (CI)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

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





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

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC





Certificate of Analysis

Product information

Product

pH-Fix 0.3-2.3

REF

92180

LOT

80A0441

Expiration date:

29.02.2028

Date of examination:

23.01.2024

Gradation:

pH 0.3-0.7-1.0-1.3-1.6-1.9-2.3

Confirmation

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

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US Tel.: +1 888 321 62 24 sales-us@mn-net.com

Hydrochloric Acid, 36.5-38.0%

BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis





M6151

R-> 1/15/25

Material No.: 9530-33

Batch No.: 22G2862015 Manufactured Date: 2022-06-15

Retest Date: 2027-06-14

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCI) (by acid-base titrn)	36.5 - 38.0 %	
ACS - Color (APHA)	50.5 - 36.0 % ≤ 10	37.9 %
ACS - Residue after Ignition	≤ 3 ppm	5
ACS - Specific Gravity at 60°/60°F		< 1 ppm
ACS – Bromide (Br)	1.185 - 1.192	1.191
ACS - Extractable Organic Substances	≤ 0.005 %	< 0.005 %
ACS - Free Chlorine (as Cl2)	≤ 5 ppm	< 1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.5 ppm
Sulfate (SO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfite (SO₃)	≤ 0.5 ppm	< 0.3 ppm
Ammonium (NH ₄)	≤ 0.8 ppm	0.3 ppm
Trace Impurities - Arsenic (As)	≤ 3 ppm	< 1 ppm
Trace Impurities - Aluminum (AI)	≤ 0.010 ppm	< 0.003 ppm
Arsenic and Antimony (as As)	≤ 10.0 ppb	1.3 ppb
Trace Impurities - Barium (Ba)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Bismuth (Bi)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities - Calcium (Ca)	≤ 1.0 ppb	< 0.3 ppb
	≤ 50.0 ppb	163.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Frace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Frace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

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





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

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (TI)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Frace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

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





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

Test

Specification

Result

For Laboratory, Research, or Manufacturing Use Product Information (not specifications): Appearance (clear, fuming liquid) Meets ACS Specifications Storage Condition: Store below 25 °C.

Country of Origin: USA Packaging Site: Phillipsburg Mfg Ctr & DC



Certificate of Analysis

Product information

Product:

Silica 60, 0.063 - 0.200 mm

REF:

815330.25

LOT:

072154301

Technical data

Material:

Synthethic amorphus silica (irregular shaped)

Description:

White powder

Parameter	Specifications	Result
Specific surface (m³/g, N2 adsorption):	450 - 550	537
Particle size distribution (screen analysis):	< 63 µm max. 5 %	0.3
	> 200 µm max. 5 %	0.1
pH value:	6.0 - 7.5	7
Water content (%):	<7	3.6
Pore volume (mL/g, N2 adsorption) :	0.65 - 0.85	0.82
Mean pore size (A. N2 adsorption) :	50 - 70	62

Expiry

This product has no stated expiration date or shelf life.

We recommend to use the product within a time period of 5 years after date of QC release.

This time period is valid only if the product is stored under dry and frost-free conditions.

After 5 years we recommend retesting the adsorbent to make sure that the expected performance is still given.

Confirmation

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

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

Date of measurement: 16.02.2023 22:00

Certificate of analysis

W3082 Received on 2/26/2026 by IZ

Product No.: A12244

Product: Stearic acid, 98%

Lot No.: U23E020

Appearance White flakes

Assay 98.7 %

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Certificate of Analysis

Manganous Sulfate Solution, 364 g/L

Lot Number: 2403J02 Product Number: 4620

Manufacture Date: MAR 15, 2024

Expiration Date: MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Manganous Sulfate Monohydrate	10034-96-5	Reagent
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result	
Appearance	Pink liquid	Passed	
Assay (by Refractive Index)	360-368 g/L	367 g/L	

Specification	Reference
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	EPA (360.2)
Manganous Sulfate Solution	EPA (360.2)

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)
4620-32	1 L natural poly	24 months

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

Version: 1.3 Lot Number: 2403J02 Product Number: 4620 Page 1 of 2



Jose Pena (03/15/2024)

Operations Manager

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

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Version: 1.3 Lot Number: 2403J02 Product Number: 4620 Page 2 of 2

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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)	$0.02499 \text{-} 0.02501 \text{ N} \text{ at } 20^{\circ}\text{C}$	0.02501 N at 20°C	136

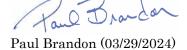
Specification	Reference
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-Cl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

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

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7900-1	4 L natural poly	18 months
7900-16	500 mL natural poly	18 months
7900-1CT	4 L Cubitainer®	18 months
7900-32	1 L natural poly	18 months

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

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

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customerservice@riccachemical.com

Certificate of Analysis

Alkaline-Iodide-Azide, Pomeroy Formulation for Dissolved Oxygen (DO) Analysis

Lot Number: 1405D67 Product Number: 535

Manufacture Date: APR 05, 2024

Expiration Date: APR 2026

This solution is intended for use with samples with high Dissolved Oxygen content (above 15 mg/L) and for samples with high concentrations of organic material.

Name	CAS#	Grade	
Water	7732-18-5	ACS/ASTM/USP/EP	
Sodium Iodide	7681-82-5	ACS	
Sodium Hydroxide	1310-73-2	ACS	
Sodium Azide	26628-22-8	Reagent	

Test	Specification	Result
Appearance	Colorless liquid	Passed
Free Iodine	To Pass Test	Passed

Specification	Reference

Alkaline Iodide-Sodium Azide Solution II

ASTM (D 888 A)

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)	
535-32	1 L natural poly	24 months	

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

Heidi J Green (04/05/2024) Operations Manager

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Version: 1.3 Lot Number: 1405D67 Product Number: 535 Page 1 of 1



Certificate of Analysis

12/14/2022

12/31/2025

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40

CAS #: 1310-73-2

Appearance: Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Manufacture Date:

Expiration Date:

Internal ID #: 710

Signature Additional Information

We certify that this batch conforms to the specifications listed.

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

Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC.

28600 Fountain Parkway, Solon OH 44139 USA

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Certificate of Analysis

12/14/2022

12/31/2025

Room Temperature

Manufacture Date:

Expiration Date:

Storage:

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH Molecular Weight: 40

CAS #: 1310-73-2

Appearance:

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature Additional Information

We certify that this batch conforms to the specifications listed.

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

Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

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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)	

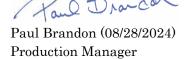
Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-Cl B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-C1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

n-Hexane 95% **ULTRA RESI-ANALYZED** For Organic Residue Analysis





08018, 0d/12/19082

Material No.: 9262-03

Batch No.: 25C0362005 Manufactured Date: 2025-01-29

Expiration Date:2026-04-30

Revision No.: 0

Certificate of Analysis

	, , , , ,	
Test	Specification	
FID-Sensitive Impurities (Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	\- J	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peal	<= 10	·
(pg/mc)	<= 10	6
Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated Co Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	
Residue after Evaporation		10
Substances Darkened by H2SO4	<= 1.0 ppm	0.1 ppm
	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Director Quality Operations, Bioscience Production

N3212 Deceived on 5/21/25 by 12



PO BOX 130549 Spring, TX 77393 Phone: (281) 298-9410 Fax: (281) 298-9411

FINISHED PRODUCT, LOT NUMBER, MFG. /EXP DATE:

PolySeed® • Part No. P-110 • Lot 132409 • Mfg. Date: 09/2024 • Exp. Date: 09/2026

FORMULATION:

The formulation for this product contains a range of naturally occurring microorganisms, which are known to be non-pathogenic to man or animals.

VIABLE COUNT, FINAL TEST RESULT:

The product has been fully tested in accordance with Finished Product Specifications and contains a minimum viable count of 4.00×10^9 cfu/g.

GLUCOSE/GLUTAMIC-ACID RESULTS:

Tested results within acceptable range 198 +/- 30.5 mg/L (167.5 - 228.5 mg/L). GGA Lot# 43100020 – Average Test Result: 202.1

See www.polyseed.com for details.

SEED CONTROL FACTOR:

Tested results within acceptable range 0.6 – 1.0 see www.polyseed.com for details

SALMONELLA TEST RESULT:

The product has been shown to be Salmonella negative using procedures recommended in the Microbiology Laboratory Guidebook, published by the USDA Food Safety and Inspection Service.

The purpose of this document is to ensure that the Finished Product conforms to the above specification.

Signature:

Date: 09/13/2024

Quality Control Department

POLYSEED.Ref.1.19

Revised Jan 24





P.O. Box 389 Loveland, CO 80539 (970) 669-3050

An ISO 9001 Certified Company

Certificate of Analysis

This is a Component of 1486266 / LOT A5105

PRODUCT: BOD Nutrient Buffer Pillows

PRODUCT NUMBER: 1486227 LOT NUMBER: A5105

MANUFACTURE DATE: 05/13/2025 **DATE OF ANALYSIS:** 05/27/2025

TEST	SPECIFICATIONS	RESULTS
Ammonia Concentration of a diluted pillow	0.57 to 0.79 ppm	0.570
Calcium Concentration of a diluted pillow	0.93 to 1.29 ppm	0.980
Iron Concentration of a diluted pillow	0.27 to 0.36 ppm	0.283
Magnesium Concentration of a diluted pillow	0.35 to 0.48 ppm	0.360
Phosphorus Concentration of a diluted pillow	7.6 to 10.3 ppm	8.11
pH in a 6 L of DI water	7.1 to 7.6 ph	7.31
Five Day Change in Dissolved Oxygen Concentration	-0.2 to 0.2 ppm	0.03
Sterility	To Pass	Passed

The expiration date is May 2030

Certified by: Scottals

Analytical Services Chemist



SHIPPING DOCUMENTS



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

ALLIANCE PROJECT NO.			
QUOTE NO.	× 3180		
COC Number	2045353		

ADDRESS: 740 Frelinghousen Ave- CITY Newark STATE: NJ ZIP: 07114 ATTENTION: Jarrod MILLS PHONE: 973 824-101 FAX: PHONE:	Reduced US EPA CLP	BILL TO: ADDRESS: CITY ATTENTION: A	PO#: STATE: ZIP: PHONE: ANALYSIS
CITY Newark STATE: NJ ZIP: 07114 PROJECT MANAGER: ATTENTION: J CATO d MILLS PHONE: 973:824-101 FAX: PHONE: DATA TURNAROUND INFORMATION DATA DELIVERA FAX (RUSH) DAYS* D Level 1 (Results Only) D Level	FAX:: BLE INFORMATION el 4 (QC + Full Raw Data) Reduced US EPA CLP	CITY ATTENTION:	PHONE:
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	Reduced US EPA CLP		
EDD:DAYS*		PRESERVATIVES	COMMENTS
ALLIANCE PROJECT SAMPLE SAMPLE COLLECT	LE SE C - C		← Specify Preservatives
SAMPLE SAMPLE IDENTIFICATION MATRIX & M	TIME SPILE C F F	4 5 6 7 8	A-HCI D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1. Gray W A-24-25/10	023 1 1		
2. Comp W 4-24-28/	025 4 VV		
3.			
4.			
5.	1		
6.			
7.			
8.			
9.			
10.			
RELINQUISHED BY SAMPLER: DATE/TIME: (2) RECEIVED BY: 1.	of bottles or coolers at receipt: COMPLIA CLIENT: Hand	ION INCLUDING COURIER DELIVE NT O NON COMPLIANT O COOLER TEMP Delivered O Other	Shipment Complete



Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148