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

Cover Page

Order ID:	Q2115
-----------	-------

Project ID: AEC-2025-0013- 91 Fulton, White Plains Bus Co

Client: ATG-GREENVILLE AEC

Lab Sample Number Client Sample Number

Q2115-01 OUTFALL-1

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

Signature :		
Signature .	————— Date	5/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following "Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi – Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
Н	Sample Analysis Out Of Hold Time





APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2115

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

QA Review Signature: MAHESH PATEL Date	: 05/29/2025
--	--------------



LAB CHRONICLE

5/22/2025 2:33:02 PM

AEC-2025-0013- 91 Fulton, White Plains Bus Co

OrderID: Q2115

OrderDate: ATG-GREENVILLE AEC Client: Project:

Daniel Maalouf Location: L41,VOA Ref. #3 Water Contact:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2115-01	OUTFALL-1	Water			05/21/25			05/22/25
					14:15			
			COD	SM5220 D			05/28/25	
							13:16	
			Oil and Grease	1664A			05/27/25	
							10.00	



SAMPLE DATA



Lab Sample ID:

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

Matrix:

Water

Fax: 908 789 8922

Q2115-01

Report of Analysis

Client: ATG-GREENVILLE AEC Date Collected: 05/21/25 14:15

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Date Received: 05/22/25

Client Sample ID: OUTFALL-1 SDG No.: Q2115

% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	168	D	5	7.50	50.0	mg/L		05/28/25 13:16	SM 5220 D-11
Oil and Grease	1.10	J	1	0.29	5.00	mg/L		05/27/25 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



QC RESULT SUMMARY



 ${\tt 284~Sheffield~Street,~Mountainside,~New~Jersey~07092,~Phone:908~789~8900,}\\$

Fax: 908 789 8922

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co **RunNo.:** LB135932

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
COD		mg/L	50.962	50	102	95-105	05/28/2025
Sample ID:	CCV1						_
COD		mg/L	48.931	50	98	95-105	05/28/2025
Sample ID:	CCV2						
COD		mg/L	50.962	50	102	95-105	05/28/2025





Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co RunNo.: LB135932

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB	mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025
Sample ID:	CCB1	mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025
Sample ID:	CCB2	mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025





Preparation Blank Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Oil and Gr	LB1359 ease	011BL mg/L	< 2.5000	2.5000	U	0.29	5.0	05/27/2025
Sample ID: COD	LB1359	32BL mg/L	< 5.0000	5.0000	U	1.5	10.0	05/28/2025



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

Fax: 908 789 8922

Matrix Spike Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Sample ID: Q2116-01

Client ID: OUTFALL-2MS Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	% D	0 1	Analysis	
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date	
COD	mg/L	75-125	65.2		18.5		50.0	1	93		05/28/2025	



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Fax: 908 789 8922

Matrix Spike Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Sample ID: Q2116-01

Client ID: OUTFALL-2MSD Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date
COD	mg/L	75-125	64.2		18.5		50.0	1	91		05/28/2025



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

Fax: 908 789 8922

Duplicate Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Sample ID: LB135911BS

Client ID: LB135911BSD 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	
Oil and Grease	mg/L	+/-18	16.9		17.1		1	1.18		05/27/2025	_



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Fax: 908 789 8922

Duplicate Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Sample ID: Q2116-01

Client ID: OUTFALL-2DUP 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	
COD	mg/L	+/-20	18.5		19.5		1	5.26		05/28/2025	



 ${\tt 284~Sheffield~Street,~Mountainside,~New~Jersey~07092,~Phone:908~789~8900,}\\$

Fax: 908 789 8922

Duplicate Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Sample ID: Q2116-01

Client ID: OUTFALL-2MSD 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
COD	mg/L	+/-20	65.2		64.2		1	1.55		05/28/2025





Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Run No.: LB135911

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135911BS								
Oil and Grease	mg/L	20.0	16.9		84	1	78-114	05/27/2025





Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Run No.: LB135911

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135911BSD								
Oil and Grease	mg/L	20.0	17.1		86	1	78-114	05/27/2025





Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC SDG No.: Q2115

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co Run No.: LB135932

Analyte		Units	True Value		Conc. % Qualifier Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135932BS							
COD		mg/L	50	49.9	100	1	90-110	05/28/2025



RAW DATA



Extraction and Analytical Summary Report

Analysis Method: 1664A

Test: Oil and Grease

Run Number: LB135911

Analysis Date: 05/27/2025

BalanceID: WC SC-6

OvenID: EXT OVEN-3

ANALYST: jignesh

REVIEWED BY: Iwona

Extraction Date: 05/27/2025

Extration IN Time: 09:00

Extration OUT Time: 09:35

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

Dish #	Lab ID	Client ID	Matrix	рH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (q)	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	LB135911BL	LB135911BL	WATER	1.3	1000	100	2.7453	2.7453	0	2.7454	2.7454	0.0001	0.1
2	LB135911BS	LB135911BS	WATER	1.3	1000	100	3.1503	3.1503	0	3.1672	3.1672	0.0169	16.9
3	LB135911BSD	LB135911BSD	WATER	1.3	1000	100	3.1987	3.1987	0	3.2158	3.2158	0.0171	17.1
4	Q2115-01	OUTFALL-1	WATER	1.6	1000	100	3.0830	3.0830	0	3.0841	3.0841	0.0011	1.1
5	Q2116-01	OUTFALL-2	WATER	1.3	570	100	3.0919	3.0919	0	3.0920	3.0920	0.0001	0.18
6	Q2126-07	LOD-MDL-WATER-01-QT2-2	WATER	1.3	1000	100	3.0621	3.0621	0	3.0643	3.0643	0.0022	2.2
7	Q2126-08	LOQ-WATER-02-QT2-2025	WATER	1.3	1000	100	2.8503	2.8503	0	2.8546	2.8546	0.0043	4.3



QC Batch# LB135911

Test: Oil and Grease

Analysis Date: 05/27/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	М6069
Sodium Sulfate	EP2614
1:1 HCL	WP112782
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP112783
LCSWD	2.5 ML	WP112784
MS/MSD	NA	NA

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 11:21

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

Bal Check Time: 09:15 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 12:00

Out Time1: 11:20

After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 70 °C Dessicator Time In2 : 13:01

1.0000 gram Balance: 1.0003 (0.9950-1.0050) In Time2: 12:30

Bal Check Time: 13:37 Out OVEN TEMP2: 70 °C Dessicator Time Out2: 13:35

Out Time2: 13:00

WORKLIST(Hardcopy Internal Chain)

WorkList ID: 189745

OIL & GREASE Q2126

WorkList Name:

Department: Wet-Chemistry

M135911

		MOINTEND :	D: 109/45	Department: We	Wet-Chemistry	Date	Date: 05-27-2025 08:21:10	5 08:21:10
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
O244E O4	1					1		
7 10-61175	CZII3-01 F OUIFALL-1	Water	Oil and Grease	Conc H2SO4 to pH < 2	ATC CO4			
02118-01	4 - A-1-			7 . Id &	1	L41	05/21/2025 1664A	1664A
5 10011 2	CELIG-01 COLLEGE-2	Water	Oil and Grease	Conc H2SO4 to pH < 2	ATC 04	2		
02126-07	CO OTTO NO CITATON ICM COL	1		7 - Id 03		L31	05/21/2025 1664A	1664A
	COD-IMPL-WAI ER-U1-Q12-202 Water		Oil and Grease	Conc H2SO4 to pH < 2	601110	3		
02128.08				7, 118 00 100 111		E S	05/23/2025 1664A	1664A
WE 120-00	LUG-WAI EK-02-Q 2-2025	Water	Oil and Grease	Conc H2SOM to all 1.2				
				2 > 11d 0) +0021 10100	ALLIU3	CA C	05/23/2025 1664A	1664A

Date/Time OS/17/125

Date/Time USATAS US:25

Raw Sample Received by:

Raw Sample Relinquished by:

Raw Sample Relinquished by: Raw Sample Received by:

Page 1 of 1



Analytical Summary Report

Analysis Method: SM5220 D ANALYST: Iwona

Parameter: COD SUPERVISOR REVIEW BY: jignesh

Run Number: LB135932

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP113238
COD calibration std. 100 ppm	WP113237
COD calibration std. 50 ppm	WP113235
COD calibration std. 10 ppm	WP113234
COD calibration std. 0 ppm	WP113233
COD LOQ std, 10.0PPM	WP113242
COD CCV std, 50ppm	WP113239
COD ICV-LCS std, 50ppm	WP113240
COD LOD std, 5ppm	WP113241
COD calibration std. 75 ppm	WP113236
RL CHECK	WP113243
COD Digestion Vials Low Level 0-150Mg/L	W3128

Temp In(C): 148	Date In: 05/28/2025	Time In: 09:45
Temp Out(C): 151	Date Out: 05/28/2025	Time Out: 11:45

Intercept: 0.8179 Slope: 0.9847 Regression: 0.9995

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
. 1	CAL1	0	1	Water	0.000	-0.831		05/28/2025	13:10
. 2	CAL2	10	1	Water	9.000	8.309	-16.9	05/28/2025	13:10
. 3	CAL3	50	1	Water	52.000	51.977	4	05/28/2025	13:11
4	CAL4	75	1	Water	77.000	77.366	3.2	05/28/2025	13:11
. 5	CAL5	100	1	Water	99.000	99.708	-0.3	05/28/2025	13:12
. 6	CAL6	150	1	Water	147.000	148.453	-1	05/28/2025	13:12



Analytical Summary Report



Analysis Method: SM5220 D ANALYST: Iwona

Parameter: COD SUPERVISOR REVIEW BY: jignesh

Run Number: LB135932

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	51.000	50.962	05/28/2025	13:13
2	ICB		NA	NA	1	Water	0.000	-0.831	05/28/2025	13:13
3	CCV1	50	NA	NA	1	Water	49.000	48.931	05/28/2025	13:14
4	CCB1		NA	NA	1	Water	1.000	0.185	05/28/2025	13:14
5	RL Check	10	100	100	1	Water	11.000	10.340	05/28/2025	13:15
6	LB135932BL		NA	NA	1	Water	1.000	0.185	05/28/2025	13:15
7	LB135932BS	50	NA	NA	1	Water	50.000	49.946	05/28/2025	13:16
8	Q2115-01		NA	NA	5	Water	34.000	33.698	05/28/2025	13:16
9	Q2116-01		NA	NA	1	Water	19.000	18.465	05/28/2025	13:17
10	Q2116-01DUP		NA	NA	1	Water	20.000	19.480	05/28/2025	13:17
11	Q2116-01MS	50	NA	NA	1	Water	65.000	65.179	05/28/2025	13:18
12	Q2116-01MSD	50	NA	NA	1	Water	64.000	64.164	05/28/2025	13:18
13	Q2126-07		NA	NA	1	Water	11.000	10.340	05/28/2025	13:19
14	Q2126-08		NA	NA	1	Water	5.000	4.247	05/28/2025	13:19
15	CCV2	50	NA	NA	1	Water	51.000	50.962	05/28/2025	13:20
16	CCB2		NA	NA	1	Water	1.000	0.185	05/28/2025	13:20

Reviewed By:jignesh On:5/29/2025 10:50:03 AM Inst Id :SPECTROPHOTOME

LB135932 Department: Wet-Chemistry WORKLIST(Hardcopy Internal Chain) WorkList ID: 189780 COD-052825

WorkList Name:

SM5220 D 05/21/2025 SM5220 D 05/23/2025 SM5220 D 05/23/2025 SM5220 D Date: 05-28-2025 09:23:41 Collect Date Method 05/21/2025 Raw Sample Storage Location QAO QAO L41 <u>13</u> Customer ATGG01 ATGG01 ALL103 ALL103 Conc H2SO4 to pH < 2 Preservative COD COD Test 000 000 Matrix Water Water Water Water LOD-MDL-WATER-01-QT2-202 LOQ-WATER-02-QT2-2025 **Customer Sample** OUTFALL-2 OUTFALL-1 Q2126-07 Q2126-08 Q2115-01 Q2116-01 Sample

Raw Sample Received by: Date/Time

Raw Sample Relinquished by:

Page 1 of 1

Raw Sample Relinquished by: Raw Sample Received by:

Date/Time



Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB135911

Review By	jign	esh	Review On	5/27/2025 12:22:15 PM					
Supervise By	lwo	na	Supervise On	5/28/2025 10:44:02 AM					
SubDirectory	LB′	135911	Test	Oil and Grease					
STD. NAME		STD REF.#							
ICAL Standard		N/A							
ICV Standard		N/A							
CCV Standard		N/A							
ICSA Standard		N/A							
CRI Standard		N/A							
LCS Standard		N/A	N/A						
Chk Standard		W3204,M6069,EP2614,	WP112782,NA,NA,WP112783,WP1127	84,NA					

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB135911BL	LB135911BL	MB	05/27/25 10:00		jignesh	ок
2	LB135911BS	LB135911BS	LCS	05/27/25 10:00		jignesh	ОК
3	LB135911BSD	LB135911BSD	LCSD	05/27/25 10:00		jignesh	ОК
4	Q2115-01	OUTFALL-1	SAM	05/27/25 10:00		jignesh	ОК
5	Q2116-01	OUTFALL-2	SAM	05/27/25 10:00		jignesh	ОК
6	Q2126-07	LOD-MDL-WATER-01	SAM	05/27/25 10:00	ADD 0.25 ML WP112783	jignesh	ОК
7	Q2126-08	LOQ-WATER-02-QT2	SAM	05/27/25 10:00	ADD 0.625 ML WP112784	jignesh	ОК



Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB135932

Review By	lwo	na	Review On	5/29/2025 10:39:49 AM				
Supervise By	Supervise By jignesh		Supervise On	5/29/2025 10:50:03 AM				
SubDirectory	LB1	135932	Test	COD				
STD. NAME		STD REF.#						
ICAL Standard		N/A						
ICV Standard		N/A						
CCV Standard		N/A						
ICSA Standard		N/A						
CRI Standard		N/A						
LCS Standard		N/A						
Chk Standard		WP113238,WP113237,V	WP113238,WP113237,WP113235,WP113234,WP113233,WP113242,WP113239,WP113240,WP113241,WP113236,V					

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/28/25 13:10			ОК
2	CAL2	CAL2	CAL	05/28/25 13:10			ОК
3	CAL3	CAL3	CAL	05/28/25 13:11			ок
4	CAL4	CAL4	CAL	05/28/25 13:11			ОК
5	CAL5	CAL5	CAL	05/28/25 13:12			ОК
6	CAL6	CAL6	CAL	05/28/25 13:12			ОК
7	ICV	ICV	ICV	05/28/25 13:13			ОК
8	ICB	ICB	ICB	05/28/25 13:13			ОК
9	CCV1	CCV1	CCV	05/28/25 13:14			ок
10	CCB1	CCB1	ССВ	05/28/25 13:14			ОК
11	RL Check	RL Check	SAM	05/28/25 13:15			ОК
12	LB135932BL	LB135932BL	MB	05/28/25 13:15			ОК
13	LB135932BS	LB135932BS	LCS	05/28/25 13:16			ОК
14	Q2115-01	OUTFALL-1	SAM	05/28/25 13:16			ОК
15	Q2116-01	OUTFALL-2	SAM	05/28/25 13:17			ОК
16	Q2116-01DUP	OUTFALL-2DUP	DUP	05/28/25 13:17			ОК
17	Q2116-01MS	OUTFALL-2MS	MS	05/28/25 13:18			ОК
18	Q2116-01MSD	OUTFALL-2MSD	MSD	05/28/25 13:18			ОК



Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB135932

Review By	lwo	na	Review On	5/29/2025 10:39:49 AM			
Supervise By	jign	esh	Supervise On	5/29/2025 10:50:03 AM			
SubDirectory	LB1	135932	Test	COD			
STD. NAME		STD REF.#					
ICAL Standard		N/A					
ICV Standard		N/A					
CCV Standard		N/A					
ICSA Standard		N/A					
CRI Standard		N/A					
LCS Standard		N/A					
Chk Standard		WP113238,WP113237,V	WP113235,WP113234,WP113233,WP1	13242,WP113239,WP113240,WP113241,WP113236,V			

19	Q2126-07	LOD-MDL-WATER-01	SAM	05/28/25 13:19		ОК
20	Q2126-08	LOQ-WATER-02-QT2	SAM	05/28/25 13:19		ОК
21	CCV2	CCV2	CCV	05/28/25 13:20		ОК
22	CCB2	CCB2	ССВ	05/28/25 13:20		ОК



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

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID :	Q2115
Test:	COD,Oil and Grease
Prepbatch ID :	
Sequence ID/Qc Bate	ch ID: LB135911,LB135932,
•	
	NP112783,WP112784,WP113231,WP113232,WP113233,WP113234,WP113235,WP113236,WP11 113239,WP113240,WP113241,WP113242,WP113243,
Chemical ID :	
	,M6151,W2784,W2817,W2871,W3009,W3082,W3112,W3128,W3169,W3204,



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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Riteshkumar Patel
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMA	Extraction_SC	None	
					R SHAH	ALE_2		05/19/2025
	4000 00000 man of E3554 — Final C		00.000			(EX-SC-2)		

<u>FROM</u>	4000.00000gram of E3551	= Final Quantity: 4000.000	gram
-------------	-------------------------	----------------------------	------

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	<u>Prepared</u> <u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By
	1:1 HCL		04/22/2025	08/18/2025	Jignesh Parikh	None	None	lwona Zarych 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	_		
						CALE_8 (WC SC-7)		04/22/2025

FROM	1000.0000ml of E3917 + 4.00000g	ram of W2817 + 4.00000)gram of W2871 = Final C	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 Jignesh Parikh
2456	COD Stock std, 1000ppm	WP113231	05/28/2025	06/04/2025	,	WETCHEM_S		
						CALE_5 (WC		05/28/2025
FROM	0.08500gram of W2784 + 100.00000	ml of W311	2 = Final Qua	antity: 100.000	ml	SC-5)		

Recipe				Expiration	<u>Prepared</u>			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
2457	COD Stock std-SS, 1000ppm	WP113232	05/28/2025	06/04/2025	Iwona Zarych	WETCHEM_S	None	_
						CALE_5 (WC		05/28/2025

FROM 0.08500gram of W3169 + 100.00000ml 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 Jignesh Parikh
139	COD calibration std. 0 ppm	WP113233	05/28/2025	06/04/2025	Iwona Zarych	None	None	J
								05/28/2025
			_					

FROM 10.00000ml of W3112	2 = Final Quantity: 10.000 ml
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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
138	COD calibration std. 10 ppm	WP113234	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F	,
							IPETTE_3	05/28/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP113231 = Final Quantity: 10.000 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 Jignesh Parikh
137	COD calibration std. 50 ppm	WP113235	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F	
							IPETTE_3	05/28/2025
EDOM	9 50000ml of W3112 + 0 50000ml of	\M/D113231	= Final Quan	tity: 10 000 ml			(VVC)	

			, ,	

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4161			05/28/2025		Iwona Zarych		WETCHEM_F	Jignesh Parikh
					-		IPETTE_3	05/28/2025

FROM 9.25000ml of W3112 + 0.75000ml of WP113231 = Final Quantity: 10.000 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 Jignesh Parikh	
136	COD calibration std. 100 ppm	WP113237	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F		
							IPETTE_3	05/28/2025	
EDOM.	EDOM 9 00000ml of W3112 + 1 00000ml of WP113231 = Final Quantity: 10 000 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
135	COD calibration std. 150 ppm	WP113238	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F	,
							IPETTE_3	05/28/2025

FROM 8.50000ml of W3112 + 1.50000ml of WP113231 = Final Quantity: 10.000 ml



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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Jignesh Parikh	
2458	COD CCV std, 50ppm	WP113239	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F		
							IPETTE_3	05/28/2025	
EDOM	(WC) (WC)								

FRON	9.50000111 01 W3112 + 0.50000111 01 W1 115251 - 1 Illai Qualitity. 10.000 1111	

Recipe				Expiration	<u>Prepared</u>			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
2459	COD ICV-LCS std, 50ppm	WP113240	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F	
							IPETTE_3	05/28/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113232 = Final Quantity: 10.000 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 Jignesh Parikh
3580	COD LOD std, 5ppm	WP113241	05/28/2025	06/04/2025	lwona Zarych	None	WETCHEM_F IPETTE_3	05/28/2025
FROM	40.7E000ml of W2442 + 0.2E000ml o	f \\/\D44222	I - Final Oua	ntitu: 50 000 n	<u> </u>		(WC)	00/20/2020

FROM 4	49.75000ml of W311	2 + 0.25000ml of WP113231	= Final Quantity: 50.000 ml
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Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Jignesh Parikh
2069	COD LOQ std, 10.0PPM	WP113242	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F	1
							IPETTE_3	05/28/2025

FROM 49.50000ml of W3112 + 0.50000ml of WP113232 = Final Quantity: 50.000 ml





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Wet Chemistry STANDARD PREPARATION LOG

Recipe <u>ID</u> 4162	NAME RL CHECK	<u>NO.</u> WP113243	Prep Date 05/28/2025		Prepared By Iwona Zarych	<u>ScaleID</u> None	PipetteID WETCHEM_P IPETTE_3	Supervised By Jignesh Parikh 05/28/2025
FROM	9.90000ml of W3112 + 0.10000ml of	WP113231	= Final Quan	ntity: 10.000 ml			' (WC) '	



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	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
PCI Scientific Supply, Inc.	140440 / TEST PAPERS,PH,0-2.5,.2SENSI, 100PK	80A0441	02/29/2028	09/03/2024 / jignesh	08/19/2024 / Jaswal	M6069
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151
	(cs/6x2.5L)					
Supplier		Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
Supplier PCI Scientific Supply, Inc.	(cs/6x2.5L)	Lot # 201089	1 -	-		
PCI Scientific	ItemCode / ItemName P243-500 / Potassium Hydrogen Phthalate, 500		Date	Opened By 12/23/2020 /	12/16/2020 /	Lot #



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	0000266903	05/04/2027	09/07/2021 / apatel	08/26/2021 / apatel	W2871
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	SHBP8192	02/27/2028	02/27/2023 / Iwona	02/27/2023 / Iwona	W3009
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U23E020	02/26/2029	02/26/2024 / Iwona	02/26/2024 / Iwona	W3082
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	13821	10/31/2027	05/20/2025 / lwona	07/25/2024 / lwona	W3128
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date /	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24H0956262	04/28/2026	01/03/2025 / lwona	01/03/2025 / Iwona	W3169



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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



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



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:

CCCCCCCCCCCCC(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

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

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

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

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

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

Julian Burton

Julian Burton - Quality Control Manager - Fair Lawn

^{*}Based on suggested storage condition.



MIRADOR 201, COL. MIRADOR MONTERREY, N.L. MEXICO CP 64070 TEL +62 81 13 52 57 57 www.pqm.com,mx

CERTIFICATE OF ANALYSIS

PRODUCT:

SODIUM SULFATE CRYSTALS ANHYDROUS

QUALITY:

ACS (CODE RMB3375)

FORMULA:

Na₂SO₄

SPECIFICATION NUMBER: 6399

RELEASE DATE:

ABR/21/2023

LOT NUMBER:

313201

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

COMMENTS

QC: PhC Irma Belmares

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

Recd. by Ri on 7/4/3 E 3551

RE-02-01, Del

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	- Thaiy315							
	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



Certificate of Analysis

Product information

Product

pH-Fix 0.3-2.3

REF

92180

LOT

80A0441

Expiration date:

29.02.2028

Date of examination:

23.01.2024

Gradation:

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

Confirmation

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

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

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 < 1.0 ppb < 5.0 ppb				
Trace Impurities – Boron (B)	≤ 10.0 ppb					
Trace Impurities - Cadmium (Cd)	≤ 20.0 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 0.6 ppb				
Frace Impurities – Gold (Au)	≤ 4.0 ppb					
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb				
Frace Impurities – Iron (Fe)	≤ 15 ppb	6 ррв				

>>> 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

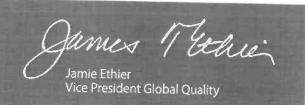
Test

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

W3082 Received on 2/26/2026 by IZ

Product No.: A12244

Product: Stearic acid, 98%

Lot No.: U23E020

Appearance White flakes

Assay 98.7 %

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



W3127 VEC. 7/25/24 EXP. 10/31/27 W3128 W 3/29

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

October 27, 2022

CERTIFICATE OF ANALYSIS

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

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

Cat. No.	Lot No.	Product Description
B1010	13821	COD Reagent Vials, 0 - 150 ppm



Certificate of Analysis

BDH9260-500G

BDH POTASS HYDRGN PHTHLTE 500G

ACS GRADE

 Batch
 24H0956262

 Reassay Date
 04/28/2026

 CAS Number
 877-24-7

Molecular Formula HOOCC6H4COOK

Molecular Mass 204.22

Date of Manufacture 04/29/2023

Storage Room Temperature

Characteristics	Specifications	Measured Values	
Appearance	White crystals.	White crystals.	
Assay (dried basis)	99.95 - 100.05 %	99.98 %	
Chlorine Compounds	<= 0.003 %	<0.003 %	
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm	
Insoluble Matter	<= 0.005 %	0.003 %	
Iron	<= 5 ppm	<5 ppm	
pH (0.05M, Water) @25C	4.00 - 4.02	4.00	
Sodium	<= 0.005 %	<0.005 %	
Sulfur Compounds	<= 0.002 %	<0.002 %	

Internal ID #: 322

Material

Grade

Material Description

Signature

Additional Information

We certify that this batch conforms to the specifications listed above.

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.

VWR International LLC, Radnor Corporate Center, Suite 200, 100 Matsonford Road, Radnor, PA 19087, USA

Date Printed: 08/09/2024

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

	v. / w. y. y.	
Test	Specification	
FID-Sensitive Impurities (Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Pea (ng/mL)	\- J	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Pea	k <= 10	•
(pg/mb)	\= 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



SHIPPING DOCUMENTS

Rogers & Callcott ENGINEERING | ENVIRONMENTAL | LABORATORY

CHAIN OF CUSTODY RECORD

WORK ORDER_

Q2115

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	ANTHACERING	1 ENVIRONI	MENTAL LABORATORY				N	N	N							Filtered (Yes/No)	
Mailing PO Box 5 Address: Greenvill	655 e, SC 29606	Shipping Address:	426 Fairforest Way : Greenville, SC 29607	215 Stoneridge Drive Columbia, SC 29210			G	P	Y							Cooled (Yes/No)	
Phone (8	64) 232-155	6	Fax (864) 233-9058	Phone (803) 509-8999			-	1	6							Container Type (P	lastic/ <u>G</u> lass)
Client Name	Whi	te 13/4	ins Bus Co	Don			1000	250	42							Container Volume	(mL)
Address	91	Fulton	S+ (CSC 7037)	, ,			G-		+(Sample Type (Grai	b/ <u>C</u> omposite)
	Whil	e Plan	alouf @ allian		Total Number of Containers		SW.		+1							Sample Source (WW, GW, DW, SFW, S	STW, S, Other)
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Telephone#	86	4- t	04-7984		per	Parameter(s) ↓										C-H2SO4 G-Boric	Acid K - MCAA
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WORK ORDER	DATE	TIME 1415	SAMPLE DES	CRIPTION		ď.		7								COMMI	ENTS
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SAMPLER - REL 1.	MOUISHE	BY:	DATE/TIME: 5/21/25 1541	RECEIVED BY: 2.					DA	TE/TIME:	Com	posite	Start C	ate/Tir	ne:_		Time
RELINQUISHED	BY:		DATE/TIME:	RECEIVED BY:	X	A		1	DA	TE/TIME:	Flow	readin	g at St	art:			or Flow
3. FED			HZ2125	4.		4				125 1410	Com	posite	End Da	ite/Tim			(Circle one)
RELINQUISHED 5.	БҮ:		DATE/TIME:	RECEIVED BY: 6.						TE/TIME:		readin					Initials:
RELINQUISHED 7.	BY:		DATE/TIME:	RECEIVED BY:					DA	TE/TIME:				ture of		k or representative sa	ample °C
Possible Hazards a	ssociated wi	th samples	○ Non-Hazard ○ Flamm	8.										of lab			_°c
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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148



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

Fax: 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID: Q2115

ATGG01

Order Date: 5/22/2025 2:33:02 PM

Project Mgr:

Client Name: ATG GREENVILLE LAB C

Project Name: AEC-2025-0013-91 Fulton

Report Type: Level 1

Client Contact: Daniel Maalouf

Receive DateTime: 5/22/2025 2:10:00 PM

Invoice Contact: Daniel Maalouf

EDD Type: Excel NY

Invoice Name: ATG GREENVILLE LAB **AEC** Purchase Order:

Hard Copy Date:

Date Signoff:

LAB ID **CLIENT ID** MATRIX SAMPLE SAMPLE TEST **TEST GROUP METHOD** FAX DATE DUE DATE TIME **DATES** Q2115-01 OUTFALL-1 Water 05/21/2025 14:15

VOC-BTEX

10 Bus. Days 8260-Low

Relinguished By:

Date/Time: 05/22/15 14 48 12 4

Storage Area: VOA Refridgerator Room