

# 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   |



### LAB CHRONICLE

OrderID: Q1035

Client: Aramark Uniforms

Contact: Jose Liceaga

**OrderDate:** 1/8/2025 12:01:00 PM

Project: Monthly 2024

Location: M11

| LabID    | ClientID | Matrix | Test | Method Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|------|--------------------|-----------|-----------|----------|
| Q1035-01 | GRAB     | WATER  |      | 01/08/25           |           |           | 01/08/25 |
|          |          |        |      | 11:40              |           |           |          |
|          |          |        | TPH  | 1664A              |           | 01/09/25  |          |
|          |          |        |      |                    |           | 10:27     |          |
| Q1035-02 | СОМР     | WATER  |      | 01/08/25           |           |           | 01/08/25 |
|          |          |        |      | 11:42              |           |           |          |
|          |          |        | BOD5 | SM5210 B           |           | 01/08/25  |          |
|          |          |        |      |                    |           | 14:50     |          |
|          |          |        | TSS  | SM2540 D           |           | 01/13/25  |          |
|          |          |        |      |                    |           | 10:15     |          |



# 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: 01/08/25 11:40 Project: Date Received: Monthly 2024 01/08/25 Client Sample ID: GRAB SDG No.: Q1035 Q1035-01 Lab Sample ID: Matrix: WATER % Solid:

| Parameter | Conc. Qua | a. DF MDL | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met. |
|-----------|-----------|-----------|------------|-------|-----------|----------------|----------|
| TPH       | 84 7      | 1 0 40    | 5.00       | mg/L  |           | 01/09/25 10:23 | 7 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



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Fax: 908 789 8922

### **Report of Analysis**

Client: Aramark Uniforms Date Collected: 01/08/25 11:42 Project: Monthly 2024 Date Received: 01/08/25 Client Sample ID: COMP SDG No.: Q1035 Lab Sample ID: Q1035-02 Matrix: WATER % Solid: 0

| Parameter | Conc. Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|-----------|------------|----|------|------------|-------|-----------|----------------|--------------|
| BOD5      | 505        | 1  | 0.17 | 2.00       | mg/L  |           | 01/08/25 14:50 | SM 5210 B-16 |
| TSS       | 224        | 1  | 1.00 | 4.00       | mg/L  |           | 01/13/25 10:15 | SM 2540 D-15 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



# QC RESULT SUMMARY





Fax: 908 789 8922

# **Preparation Blank Summary**

Client: Aramark Uniforms SDG No.: Q1035

**Project:** Monthly 2024

| Analyte            | Units              | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL  | RDL | Analysis<br>Date |
|--------------------|--------------------|----------|----------------------|--------------|------|-----|------------------|
| Sample ID:<br>BOD5 | LB134191BL<br>mg/L | < 0.2000 | 0.2000               | U            | 0.17 | 2.0 | 01/08/2025       |
| Sample ID:         | LB134204BL<br>mg/L | < 2.5000 | 2.5000               | Ū            | 0.4  | 5.0 | 01/09/2025       |
| Sample ID:         | LB134244BL<br>mg/L | < 2.0000 | 2.0000               | Ŭ            | 1    | 4   | 01/13/2025       |



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# **Duplicate Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

**Project:** Monthly 2024 Sample ID: LB134204BS

Client ID: LB134204BSD Percent Solids for Spike Sample: 0

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| ТРН     | mg/L  | +/-18               | 16.9             |                    | 17.1                |                    | 1                  | 1.18       |      | 01/09/2025       |



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# **Duplicate Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

Project: Monthly 2024 Sample ID: Q1013-01

Client ID: 001 WILLETS PT BLVD (JAN)DUP Percent Solids for Spike Sample: 0

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |  |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|--|
| BOD5    | mg/L  | +/-20               | 85.2             |                    | 81.8                |                    | 1                  | 4.13       |      | 01/08/2025       |  |



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# **Duplicate Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

**Project:** Monthly 2024 Sample ID: Q1033-01

Client ID: 28612DUP Percent Solids for Spike Sample: 0

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| TSS     | mg/L  | +/-5                | 21.0             |                    | 20.9                |                    | 1                  | 0.48       |      | 01/13/2025       |



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# **Laboratory Control Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

| Analyte   |            | Units | True<br>Value | Result | Conc.<br>Qualifier | %<br>Recovery | Dilution<br>Factor | Acceptance<br>Limit %R | Analysis<br>Date |
|-----------|------------|-------|---------------|--------|--------------------|---------------|--------------------|------------------------|------------------|
| Sample ID | LB134191BS |       |               |        |                    |               |                    |                        |                  |
| BOD5      |            | mg/L  | 198           | 200    |                    | 101           | 1                  | 84.6-115.4             | 01/08/2025       |





# **Laboratory Control Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

| Analyte   |            | Units | True<br>Value | Result | Conc.<br>Qualifier | %<br>Recovery | Dilution<br>Factor | Acceptance<br>Limit %R | Analysis<br>Date |
|-----------|------------|-------|---------------|--------|--------------------|---------------|--------------------|------------------------|------------------|
| Sample ID | LB134204BS |       |               |        |                    |               |                    |                        |                  |
| TPH       |            | mg/L  | 20.0          | 16.9   |                    | 84            | 1                  | 78-114                 | 01/09/2025       |





# **Laboratory Control Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

| Analyte   |             | Units | True<br>Value | Result | Conc.<br>Qualifier | %<br>Recovery | Dilution<br>Factor | Acceptance<br>Limit %R | Analysis<br>Date |
|-----------|-------------|-------|---------------|--------|--------------------|---------------|--------------------|------------------------|------------------|
| Sample ID | LB134204BSD |       |               |        |                    |               |                    |                        |                  |
| TPH       |             | mg/L  | 20.0          | 17.1   |                    | 86            | 1                  | 78-114                 | 01/09/2025       |



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# **Laboratory Control Sample Summary**

Client: Aramark Uniforms SDG No.: Q1035

| Analyte   |            | Units | True<br>Value | Result | Conc.<br>Qualifier | %<br>Recovery | Dilution<br>Factor | Acceptance<br>Limit %R | Analysis<br>Date |
|-----------|------------|-------|---------------|--------|--------------------|---------------|--------------------|------------------------|------------------|
| Sample ID | LB134244BS |       |               |        |                    |               |                    |                        |                  |
| TSS       |            | mg/L  | 550           | 520    |                    | 94            | 1                  | 90-110                 | 01/13/2025       |



# RAW DATA

Alliance

QC BATCH ID: LB134191

Sulfuric acid, 1N: WP110386

Chlorine Strips: W3155

pH Strips: W3140

BOD Water: WP111297

Starch: W3149

POLYSEED: WP111299

**GGA:** WP111298

BOD5 LOG

ANALYST: rubirinst ld:DO METER

Reviewed By:lwona <u>On:1/</u>13/2025 12:01:27

LB :LB

**SUPERVISOR:** Iwona

**Analysis Date:** 01/08/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

**GuageID:** 0511064

Zero DO: WP111005

|              |           | Bottle | VOL. | Initial     | Final        |            |         |
|--------------|-----------|--------|------|-------------|--------------|------------|---------|
| Lab SampleID | Client ID | No.    | ML   | Reading(ML) | Reading (ML) | Difference | Average |
| WINKLER 1    | WINKLER 1 | 1      | 300  | 0.0         | 9.8          | 9.8        | 9.8     |
| WINKLER 2    | WINKLER 2 | 2      | 300  | 10.00       | 19.8         | 9.8        | 9.8     |

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.89

After Incubation

Meter Calibration2: 9.22 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB134191

INCUBATOR TEMP IN(C): 19.9

**TIME IN:** 14:50

**DATE IN:** 01/08/2025

INCUBATOR TEMP OUT (C): 19.9

**TIME OUT:** 11:00

**DATE OUT:** 01/13/2025

| Lab SampleID | Bottle<br>No. | Check<br>CL | Initial<br>PH | Final<br>PH | Temp<br>°C | Sam<br>Vol.<br>(mL) | D.O.1<br>Initial | D.O.2<br>Final | Depletion | BOD<br>Result<br>(mg/L) | Avg<br>Result<br>(mg/L) | Comment |
|--------------|---------------|-------------|---------------|-------------|------------|---------------------|------------------|----------------|-----------|-------------------------|-------------------------|---------|
| LB134191BL   | 1             | No          | 6.61          | N/A         | 20.50      | 300                 | 9.88             | 9.86           | 0.02      | 0.02                    | 0.02                    |         |
| POLYSEED     | 1             |             |               |             |            | 10                  | 9.70             | 6.13           | 3.57      | 0.71                    | 0.68                    |         |
| POLYSEED     | 2             |             |               |             |            | 15                  | 9.67             | 4.24           | 5.43      | 0.72                    |                         |         |
| POLYSEED     | 3             |             |               |             |            | 20                  | 9.60             | 3.55           | 6.05      | 0.61                    |                         |         |
| GGA          | 1             |             |               |             |            | 6                   | 9.83             | 5.29           | 4.54      | 193                     | 200.33                  |         |
| GGA          | 2             |             |               |             |            | 6                   | 9.83             | 5.09           | 4.74      | 203                     |                         |         |
| GGA          | 3             |             |               |             |            | 6                   | 9.82             | 5.04           | 4.78      | 205                     |                         |         |
| Q1013-01     | 1             | No          | 6.65          | N/A         | 20.00      | 5                   | 9.57             | 7.84           | -         | 0                       | 85.2                    |         |
| Q1013-01     | 2             |             |               |             |            | 20                  | 9.11             | 2.75           | 6.36      | 85.2                    |                         |         |
| Q1013-01     | 3             |             |               |             |            | 50                  | 7.90             | 0.13           | -         | 0                       |                         |         |
| Q1013-01     | 4             |             |               |             |            | 150                 | 3.69             | 0.09           | -         | 0                       |                         |         |
| Q1013-01DUP  | 1             | No          | 6.65          | N/A         | 20.00      | 5                   | 9.57             | 7.70           | -         | 0                       | 81.75                   |         |
| Q1013-01DUP  | 2             |             |               |             |            | 20                  | 9.09             | 2.96           | 6.13      | 81.75                   |                         |         |
| Q1013-01DUP  | 3             |             |               |             |            | 50                  | 7.92             | 0.15           | -         | 0                       |                         |         |
| Q1013-01DUP  | 4             |             |               |             |            | 150                 | 3.67             | 0.09           | -         | 0                       |                         |         |
| Q1013-02     | 1             | No          | 6.70          | N/A         | 20.00      | 5                   | 9.61             | 5.15           | 4.46      | 226.8                   | 154.5                   |         |
| Q1013-02     | 2             |             |               |             |            | 20                  | 8.95             | 2.79           | 6.16      | 82.2                    |                         |         |
| Q1013-02     | 3             |             |               |             |            | 50                  | 7.85             | 0.15           | -         | 0                       |                         |         |
| Q1013-02     | 4             |             |               |             |            | 150                 | 3.60             | 0.10           | -         | 0                       |                         |         |
| Q1033-01     | 1             | No          | 7.39          | N/A         | 20.00      | 5                   | 9.64             | 8.55           | -         | 0                       | 5.14                    |         |
| Q1033-01     | 2             |             |               |             |            | 20                  | 9.54             | 7.95           | -         | 0                       |                         |         |
| Q1033-01     | 3             |             |               |             |            | 50                  | 9.17             | 7.70           | -         | 0                       |                         |         |
| Q1033-01     | 4             |             |               |             |            | 150                 | 8.63             | 5.38           | 3.25      | 5.14                    |                         |         |
| Q1035-02     | 1             | No          | 6.78          | N/A         | 20.00      | 0.5                 | 9.52             | 7.93           | -         | 0                       | 504.67                  |         |
| Q1035-02     | 2             |             |               |             |            | 1                   | 9.42             | 7.42           | 2         | 396                     |                         |         |
| Q1035-02     | 3             |             |               |             |            | 2                   | 9.35             | 4.49           | 4.86      | 627                     |                         |         |
| Q1035-02     | 4             |             |               |             |            | 3                   | 9.24             | 3.65           | 5.59      | 491                     |                         |         |

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.

Reviewed By:Iwona On:1/13/2025 12:01:27 PM Inst Id :DO METER LB :LB134191

WORKLIST(Hardcopy Internal Chain)

16134191

Department: Wet-Chemistry

186805

WorkList ID:

bod5-1-08

WorkList Name:

SM5210 B SM5210 B

M11 M11 N41

TULL01

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

BOD5 BOD5 BOD5

001 WILLETS PT BLVD (JAN)

002 35TH AVE (JAN)

Q1013-02 F

Q1013-01 C

28612

Q1033-01 K

Water Water

Water

PSEG03 TULL01

01/08/2025 SM5210 B

01/03/2025 01/03/2025

Date: 01-08-2025 08:34:57

Collect Date Method

Raw Sample

Storage Location

Customer

Preservative

Test

Matrix

Customer Sample

Sample

Raw Sample Received by:

Date/Time 01/08/2025

Raw Sample Relinquished by:

Date/Time 01/08/2025

Raw Sample Relinquished by:

Raw Sample Received by:

Reviewed By:Iwona On:1/13/2025 12:01:27 PM Inst Id :DO METER LB :LB134191

Date/Time at 108/2025 Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

Date/Time 01 108/2025

Raw Sample Relinquished by: Raw Sample Received by:

WORKLIST(Hardcopy Internal Chain)

WorkList ID :

bod5-01-08

WorkList Name:

186809

Test

Matrix

Customer Sample

Sample

Preservative

Department: Wet-Chemistry

Raw Sample

Storage Location

Customer

Date: 01-08-2025 10:11:01

Collect Date Method

01/08/2025 SM5210 B

M11

ARAM01

Cool 4 deg C

BOD5

Water

COMP

Q1035-02 A

16134191



## Extraction and Analytical Summary Report

Analysis Method: 1664A

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

Run Number: LB134204

Analysis Date: 01/09/2025

BalanceID: WC SC-6

OvenID: EXT OVEN-3

**ANALYST:** jignesh

REVIEWED BY: Iwona

Extraction Date: 01/09/2025

Extration IN Time: 08:30

Extration OUT Time:  $\overline{09:33}$ 

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

| Dish<br># | Lab ID      | Client ID   | Matrix | рН  | Sample<br>Vol (ml) | Final<br>Volume<br>(ml) | Empty<br>Dish<br>Weight<br>(g) | Final<br>Empty Dish<br>Weight(g) | Silica<br>Gel<br>Weight(g) | Weight<br>After<br>Drying(g) | Final<br>Weight<br>After<br>Drying(g) | Change<br>Weight<br>(g) | Result<br>in ppm |
|-----------|-------------|-------------|--------|-----|--------------------|-------------------------|--------------------------------|----------------------------------|----------------------------|------------------------------|---------------------------------------|-------------------------|------------------|
| 1         | LB134204BL  | LB134204BL  | WATER  | 1.3 | 1000               | 100                     | 3.0456                         | 3.0456                           | 3.02                       | 3.0457                       | 3.0457                                | 0.0001                  | 0.1              |
| 2         | LB134204BS  | LB134204BS  | WATER  | 1.3 | 1000               | 100                     | 3.0498                         | 3.0498                           | 3.01                       | 3.0667                       | 3.0667                                | 0.0169                  | 16.9             |
| 3         | LB134204BSD | LB134204BSD | WATER  | 1.3 | 1000               | 100                     | 3.1365                         | 3.1365                           | 3.03                       | 3.1536                       | 3.1536                                | 0.0171                  | 17.1             |
| 4         | P5411-01    | GRAB        | WATER  | 1.6 | 1000               | 100                     | 3.1120                         | 3.1120                           | 3.05                       | 3.1382                       | 3.1382                                | 0.0262                  | 26.2             |
| 5         | Q1033-01    | 28612       | WATER  | 1.3 | 1000               | 100                     | 3.0349                         | 3.0349                           | 3.03                       | 3.0361                       | 3.0361                                | 0.0012                  | 1.2              |
| 6         | Q1035-01    | GRAB        | WATER  | 1.6 | 1000               | 100                     | 3.0527                         | 3.0527                           | 3.05                       | 3.1374                       | 3.1374                                | 0.0847                  | 84.7             |



OC Batch# LB134204

Test: TPH

**Analysis Date:** 01/09/2025

#### Chemicals Used:

| Chemical Name  | Chemical Lot # |  |  |  |
|----------------|----------------|--|--|--|
| HEXANE         | W3110          |  |  |  |
| pH Paper 0-14  | м6069          |  |  |  |
| Sodium Sulfate | EP2577         |  |  |  |
| 1:1 HCL        | WP110826       |  |  |  |
| Silica Gel     | W3079          |  |  |  |
| Sand           | NA             |  |  |  |

#### Standards Used:

| Standard Name | Amount Used | Standard Lot # |
|---------------|-------------|----------------|
| LCSW          | 5.00 ML     | WP100827       |
| LCSWD         | 5.00 ML     | WP100828       |
| MS/MSD        | NA          | NA             |

#### 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: 11:28

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time1: 10:27

Out OVEN TEMP1: 70 °C 08:50 Bal Check Time: Dessicator Time Out1: 12:10

> 11:27 Out Time1:

#### After Analysis

In OVEN TEMP2: 71 °C Dessicator Time In2: 13:26 0.0020 gram Balance: 0.0019 (0.0018-0.0022)

12:45 In Time2: 1.0000 gram Balance: 1.0004 (0.9950-1.0050)

Out OVEN TEMP2: 71 °C Dessicator Time Out2: 14:00 14:02 Bal Check Time:

> 13:25 Out Time2:

# WORKLIST(Hardcopy Internal Chain)

**TPH Q1035** WorkList Name:

WorkList ID: 186822

Department: Wet-Chemistry

UP 134204

Date: 01-09-2025 08:01:52

Collect Date Method

Raw Sample

Storage Location

Customer

Preservative

Test

Matrix

Customer Sample

Sample

TPH TPH 표

Water Water Water

28612 GRAB

Q1033-01 C

P5411-01

GRAB

Q1035-01

12/31/2024 1664A 01/08/2025 1664A 01/08/2025 1664A

M11 N41 11

> PSEG03 ARAM01

Conc H2SO4 to pH < 2 Conc H2SO4 to pH < 2

Conc H2SO4 to pH < 2

ARAM01

Date/Time 0.09.25

Date/Time 01.09.25 04:15

Raw Sample Received by:

Raw Sample Relinquished by:

Raw Sample Received by:

Reviewed By:Iwona On:1/9/2025 10:02:34 AM Inst Id :WC SC-3 LB :LB134204

Raw Sample Relinquished by:

Page 1 of 1



#### TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ERVIDOR: TWO

**ANALYST:** Niha

**Date:** 01/10/2025

Run Number: LB134244

BalanceID: WC SC-6

OvenID: WC OVEN-1

**FilterID:** 17416528

ThermometerID: WET OVEN#1

 TEMP1 IN:
 103 °C
 01/10/2025
 11:00
 TEMP1 OUT:
 104 °C
 01/10/2025
 12:00

 TEMP2 IN:
 103 °C
 01/10/2025
 12:30
 TEMP2 OUT:
 104 °C
 01/10/2025
 13:30

 TEMP3 IN:
 103 °C
 01/13/2025
 10:15
 TEMP3 OUT:
 104 °C
 01/13/2025
 11:45

 TEMP4 IN:
 103 °C
 01/13/2025
 12:15
 TEMP4 OUT:
 104 °C
 01/13/2025
 13:45

| Dish # | Lab ID      | Client ID            | Empty<br>Dish<br>Weight<br>(g) | Final<br>Empty<br>Dish<br>Weight<br>(g) | Sample<br>Volume<br>(ml) | 1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | 2nd Empty<br>Dish+Sample<br>weight after<br>1.5hr drying<br>@103-@105°C<br>(g) | Final Empty<br>Dish+Sample<br>weight after<br>1.5hr drying<br>@103-@105°C<br>(g) | Weight (g) | Result<br>mg/L |
|--------|-------------|----------------------|--------------------------------|---|--------------------------|---|--|--|------------|----------------|
| 1      | LB134244BL  | LB134244BL           | 1.4235                         | 1.4235                                  | 100                      | 1.4235  | 1.4235   | 1.4235   | 0.0000     | 0              |
| 2      | LB134244BS  | LB134244BS           | 1.4549                         | 1.4549                                  | 100                      | 1.5069  | 1.5069   | 1.5069   | 0.0520     | 520            |
| 3      | Q1033-01    | 28612                | 1.4728                         | 1.4728                                  | 1000                     | 1.4938  | 1.4938   | 1.4938   | 0.0210     | 21             |
| 4      | Q1033-01DUP | 28612DUP             | 1.4033                         | 1.4033                                  | 1000                     | 1.4242  | 1.4242   | 1.4242   | 0.0209     | 20.9           |
| 5      | Q1035-02    | COMP                 | 1.4824                         | 1.4824                                  | 100                      | 1.5048  | 1.5048   | 1.5048   | 0.0224     | 224            |
| 6      | Q1049-01    | FRAC-TANK-257952     | 1.4689                         | 1.4689                                  | 2000                     | 3.1611  | 3.1611   | 3.1611   | 1.6922     | 846.1          |
| 7      | Q1066-02    | EFF-WASTE WATER      | 1.5027                         | 1.5027                                  | 600                      | 1.5128  | 1.5128   | 1.5128   | 0.0101     | 16.8           |
| 8      | Q1070-01    | 1 EFFLUENT COMPOSITE | 1.4804                         | 1.4804                                  | 1000                     | 1.5444  | 1.5444   | 1.5444   | 0.0640     | 64             |

A = Sample Volume (ml)

B = Final Empty Dish Weight (g)

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

D = Weight (g)

Weight (g) = C - B

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

# WORKLIST(Hardcopy Internal Chain)

| WorkList Name : | TSS-01132025           | WorkList ID: | ID: 186888 | Department :   | Department: Wet-Chemistry | ć                     | 4                         |             |
|-----------------|------------------------|--------------|------------|--|---------------------------|-----------------------|---------------------------|-------------|
|                 |                        |              |            | The state of the s |                           | 2                     | Date: 01-13-2025 09:25:24 | 25 09:25:24 |
| Sample          | Customer Sample        | Matrix       | Test       | Preservative   | Customer                  | Raw Sample<br>Storage | Collect Date Method       | Method      |
| Q1033-01        | 28612                  | 1100000      |            |  |                           |                       |                           |             |
|                 | 20012                  | Water        | TSS        | Cool 4 dea C   | 200100                    |                       |                           |             |
| Q1035-02        | COMP                   |              |            |  | PSEG03                    | N41                   | 01/08/2025 SM2540 D       | SM2540 D    |
|                 |                        | water        | TSS        | Cool 4 deg C   | ARAMO1                    | N444                  |                           |             |
| Q1049-01        | FRAC-TANK-257952       | Water        | 188        |  | DIMPONIO                  | IMII                  | 01/08/2025 SM2540 D       | SM2540 D    |
| 01066-02        |                        |              | 3          | Cool 4 deg C   | PSEG03                    | N41                   | 01/09/2025 SM2540 D       | SM2540 D    |
| 20.000          | EFF-WASIE WAIER        | Water        | TSS        | 0 - 5 7 7000   |                           |                       | 2                         | O OFFICE    |
| Q1070-01        | 1 FEEL LIENT COMPOSITE |              |            | Cool 4 deg C   | ARDM01                    | M11                   | 01/10/2025 SM2540 D       | SM2540 D    |
|                 | FILL COMPOSITE         | Water        | TSS        | Cool 4 dea C   |                           |                       |                           |             |
|                 |                        |              |            | 200  | M&MM01                    | M11                   | 01/10/2025 SM2540 D       | SM2540 D    |
|                 |                        |              |            |  |                           |                       | )                         |             |

01/10/2025 SM2540 D

Date/Time Of 13 20 25

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

09:30

01.13.2025

Date/Time

シアアシウ

Raw Sample Relinquished by: Raw Sample Received by:



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**Instrument ID:** DO METER

# Daily Analysis Runlog For Sequence/QCBatch ID # LB134191

| Review By     | rub      | ina                | Review On                      | 1/13/2025 12:00:57 PM |  |  |  |  |  |  |
|---------------|----------|--------------------|--------------------------------|-----------------------|--|--|--|--|--|--|
| Supervise By  | lwona    |                    | Supervise On                   | 1/13/2025 12:01:27 PM |  |  |  |  |  |  |
| SubDirectory  | LB134191 |                    | Test                           | BOD5                  |  |  |  |  |  |  |
| STD. NAME     |          | STD REF.#          |                                |                       |  |  |  |  |  |  |
| ICAL Standard |          | N/A                | WA                             |                       |  |  |  |  |  |  |
| ICV Standard  |          | N/A                |                                |                       |  |  |  |  |  |  |
| CCV Standard  |          | N/A                |                                |                       |  |  |  |  |  |  |
| ICSA Standard |          | N/A                |                                |                       |  |  |  |  |  |  |
| CRI Standard  |          | N/A                |                                |                       |  |  |  |  |  |  |
| LCS Standard  |          | N/A                |                                |                       |  |  |  |  |  |  |
| Chk Standard  |          | WP111297,W3149,WP1 | 10386,W3103,W3109,W3105,WP1112 | 99,WP111298,WP108662  |  |  |  |  |  |  |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment               | Operator | Status |
|-----|-------------|--------------------|--------|----------------|-----------------------|----------|--------|
| 1   | LB134191BL  | LB134191BL         | MB     | 01/08/25 14:50 |                       | rubina   | ок     |
| 2   | LB134191BS  | LB134191BS         | LCS    | 01/08/25 14:50 |                       | rubina   | ок     |
| 3   | Q1013-01    | 001 WILLETS PT BLV | SAM    | 01/08/25 14:50 |                       | rubina   | ОК     |
| 4   | Q1013-01DUP | 001 WILLETS PT BLV | DUP    | 01/08/25 14:50 |                       | rubina   | ОК     |
| 5   | Q1013-02    | 002 35TH AVE (JAN) | SAM    | 01/08/25 14:50 |                       | rubina   | ОК     |
| 6   | Q1033-01    | 28612              | SAM    | 01/08/25 14:50 |                       | rubina   | ок     |
| 7   | Q1035-02    | COMP               | SAM    | 01/08/25 14:50 | Intermediate dilution | rubina   | ОК     |



**Instrument ID:** WC SC-3

# Daily Analysis Runlog For Sequence/QCBatch ID # LB134204

| Review By     | jign | nesh                | Review On                     | 1/9/2025 8:36:49 AM  |  |  |  |  |  |  |
|---------------|------|---------------------|-------------------------------|----------------------|--|--|--|--|--|--|
| Supervise By  | lwc  | ona                 | Supervise On                  | 1/9/2025 10:02:34 AM |  |  |  |  |  |  |
| SubDirectory  | LB   | 134204              | 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  |      | W3110,M6069,EP2577, | WP110826,W3079,NA,WP100827,WP | 100828,NA            |  |  |  |  |  |  |

| Sr# | SampleId    | ClientID    | QcType | Date           | Comment | Operator | Status |
|-----|-------------|-------------|--------|----------------|---------|----------|--------|
| 1   | LB134204BL  | LB134204BL  | MB     | 01/09/25 10:27 |         | jignesh  | ОК     |
| 2   | LB134204BS  | LB134204BS  | LCS    | 01/09/25 10:27 |         | jignesh  | OK     |
| 3   | LB134204BSD | LB134204BSD | LCSD   | 01/09/25 10:27 |         | jignesh  | ОК     |
| 4   | P5411-01    | GRAB        | SAM    | 01/09/25 10:27 |         | jignesh  | ОК     |
| 5   | Q1033-01    | 28612       | SAM    | 01/09/25 10:27 |         | jignesh  | ОК     |
| 6   | Q1035-01    | GRAB        | SAM    | 01/09/25 10:27 |         | jignesh  | ок     |



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**Instrument ID:** WC SC-3

# Daily Analysis Runlog For Sequence/QCBatch ID # LB134244

| Review By     | Nih | a         | Review On    | 1/13/2025 2:11:20 PM |
|---------------|-----|-----------|--------------|----------------------|
| Supervise By  | lwc | ona       | Supervise On | 1/13/2025 2:12:18 PM |
| SubDirectory  | LB  | 134244    | 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   | LB134244BL  | LB134244BL       | MB     | 01/13/25 10:15 |         | Niha     | ок     |
| 2   | LB134244BS  | LB134244BS       | LCS    | 01/13/25 10:15 |         | Niha     | ок     |
| 3   | Q1033-01    | 28612            | SAM    | 01/13/25 10:15 |         | Niha     | ОК     |
| 4   | Q1033-01DUP | 28612DUP         | DUP    | 01/13/25 10:15 |         | Niha     | ОК     |
| 5   | Q1035-02    | COMP             | SAM    | 01/13/25 10:15 |         | Niha     | ок     |
| 6   | Q1049-01    | FRAC-TANK-257952 | SAM    | 01/13/25 10:15 |         | Niha     | ОК     |
| 7   | Q1066-02    | EFF-WASTE WATER  | SAM    | 01/13/25 10:15 |         | Niha     | ОК     |
| 8   | Q1070-01    | 1 EFFLUENT COMPO | SAM    | 01/13/25 10:15 |         | Niha     | ок     |



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

8900, Fax: 908 789 8922

# **Prep Standard - Chemical Standard Summary**

| Order ID :                        | Q1035  |
|-----------------------------------|--|
| Test :                            | BOD5,TPH,TSS   |
|                                   |  |
| Prepbatch ID :                    |  |
| Sequence ID/Qc Bate               | ch ID: LB134191,LB134204,LB134244,   |
| Sequence is/ge succ               |  |
| Standard ID:<br>EP2577,WP100827,V | VP100828,WP108662,WP110386,WP110826,WP111297,WP111298,WP111299,WP99896,      |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
| Chemical ID:<br>E3551,M5673,M6069 | ,M6121,W2606,W2653,W2654,W2783,W2845,W2898,W2979,W3059,W3079,W3103,W3105,W31 |
| 09,W3110,W3112,W3                 |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
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|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |
|                                   |  |



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#### **Extractions STANDARD PREPARATION LOG**

| 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> | RUPESHKUMAR   |
| 3923  | Baked Sodium Sulfate | EP2577 | 01/06/2025 | 07/01/2025  | Rajesh Parikh | Extraction_SC  | None             | SHAH          |
|   |                      |        |            |             |               | ALE_2          |                  | 01/06/2025    |
| FROM 4000.0000gram of E3551 = Final Quantity: 4000.000 gram (EX-SC-2) |                      |        |            |             |               |                |                  |               |

| Recipe<br>ID | NAME                              | <u>NO.</u> | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u>          | <u>PipetteID</u> | Supervised By Iwona Zarych |
|--------------|-----------------------------------|------------|------------|--------------------|----------------|-------------------------|------------------|----------------------------|
| 114          | hexavalent chromium color reagent | WP100827   | 02/02/2023 | 02/09/2023         | Rubina Mughal  | WETCHEM_S<br>CALE_5 (WC | None             | 02/02/2023                 |

**FROM** 0.25000gram of W2979 + 50.00000ml of W2783 = Final Quantity: 50.000 ml



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# Wet Chemistry STANDARD PREPARATION LOG

| Recipe<br>ID | <u>NAME</u>                            | NO.      | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u> | <u>PipetteID</u>      | Supervised By Sohil Jodhani |  |
|--------------|--|----------|------------|--------------------|----------------|----------------|-----------------------|-----------------------------|--|
| 3456         | Cyanide Intermediate Working Std, 5PPM | WP100828 | 02/02/2023 | 02/03/2023         | lwona Zarych   | None           | WETCHEM_F<br>IPETTE_3 | 02/07/2023                  |  |
| FDOM         | (WC)                                   |          |            |                    |                |                |                       |                             |  |

| <b>FROM</b> 0.250 | 000ml of W2898 + 49.75000 | ml of WP99896 = Fin | al Quantity: 50.000 ml |
|-------------------|---------------------------|---------------------|------------------------|
|-------------------|---------------------------|---------------------|------------------------|

| Recipe    |                      |            |            | Expiration  | Prepared      |                |                  | Supervised By |
|-----------|----------------------|------------|------------|-------------|---------------|----------------|------------------|---------------|
| <u>ID</u> | NAME                 | <u>NO.</u> | Prep Date  | <u>Date</u> | <u>By</u>     | <u>ScaleID</u> | <u>PipetteID</u> | lwona Zarych  |
| 1571      | Sodium hydroxide, 1N | WP108662   | 07/09/2024 | 01/09/2025  | Rubina Mughal | _              | None             | •             |
|           |                      |            |            |             |               | CALE_5 (WC     |                  | 07/11/2024    |

**FROM** 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 ml



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# Wet Chemistry STANDARD PREPARATION LOG

| Recipe<br>ID | <u>NAME</u>       | NO.             | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u> | <u>PipetteID</u>      | Supervised By Iwona Zarych |  |
|--------------|-------------------|-----------------|------------|--------------------|----------------|----------------|-----------------------|----------------------------|--|
| 1841         | Sulfuric Acid, 1N | <u>WP110386</u> | 10/24/2024 | 04/24/2025         | Rubina Mughal  | None           | WETCHEM_F<br>IPETTE_3 | 10/24/2024                 |  |
| 50014        | (WC)              |                 |            |                    |                |                |                       |                            |  |

| <b>FROM</b> | 2.80000ml of M5673 + 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> | Iwona Zarych  |
| 229       | 1:1 HCL     | WP110826   | 11/22/2024 | 05/13/2025  | Jignesh Parikh | None           | None             | Ţ             |
|           |             |            |            |             |                |                |                  | 11/22/2024    |

**FROM** 500.00000ml of M6121 + 500.00000ml of W3112 = Final Quantity: 1.000 L



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# Wet Chemistry STANDARD PREPARATION LOG

| Recipe<br>ID | NAME               | <u>NO.</u> | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Iwona Zarych |
|--------------|--------------------|------------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 127          | BOD Dilution fluid | WP111297   | 01/08/2025 | 01/09/2025         | Rubina Mughal  | None           | None             |                            |
|              |                    |            |            |                    |                |                |                  | 01/09/2025                 |
|              |                    |            |            |                    |                |                |                  |                            |

| FROM | 18.00000L of W3112 + 3.00000PILLOW of W3144 = Final Quantity: 18.000 L |
|------|--|
|------|--|

| Recipe<br>ID | <u>NAME</u>                       | <u>NO.</u>      | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u>          | <u>PipettelD</u> | Supervised By Iwona Zarych |
|--------------|-----------------------------------|-----------------|------------|--------------------|----------------|-------------------------|------------------|----------------------------|
| 129          | Glutamic acid-glucose mix for BOD | <u>WP111298</u> | 01/08/2025 | 01/09/2025         | Rubina Mughal  | WETCHEM_S<br>CALE_7 (WC | None             | 01/09/2025                 |

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



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# Wet Chemistry STANDARD PREPARATION LOG

| Recipe<br>ID | NAME                  | NO.      | Prep Date  | Expiration<br>Date | Prepared<br>By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Iwona Zarych |
|--------------|-----------------------|----------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 128          | polyseed seed control | WP111299 | 01/08/2025 | 01/09/2025         | Rubina Mughal  | None           | None             | ,                          |
|              |                       |          |            |                    |                |                |                  | 01/09/2025                 |
|              |                       |          |            |                    |                |                |                  |                            |

| <u>FROM</u> | 1.00000PILLOW of W3059 + 300.00000ml of WP111297 | ' = Final Quantity: 300.000 ml |
|-------------|--|--------------------------------|
|-------------|--|--------------------------------|

| Recipe<br>ID | <u>NAME</u>                                | NO.            | Prep Date  | Expiration<br>Date | <u>Prepared</u><br><u>By</u> | <u>ScaleID</u>          | <u>PipetteID</u> | Supervised By Iwona Zarych |
|--------------|--|----------------|------------|--------------------|------------------------------|-------------------------|------------------|----------------------------|
| 11           | Sodium hydroxide absorbing solution 0.25 N | <u>WP99896</u> | 11/15/2022 | 05/15/2023         | Jignesh Parikh               | WETCHEM_S<br>CALE_4 (WC | None             | 11/15/2022                 |

**FROM** 21.00000L of W2606 + 210.00000gram of W2845 = Final Quantity: 21.000 L



# **CHEMICAL RECEIPT LOG BOOK**

| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|--------------------------------|---|---------------------|--------------------|----------------------------|--------------------------------|-------------------|
| PCI Scientific<br>Supply, Inc. | PC19631-100 / SODIUM<br>SULFATE, ANHYDROUS,<br>PEST GRADE, 1      | 313201              | 07/01/2025         | 01/03/2024 /<br>Rajesh     | 07/20/2023 /<br>Rajesh         | E3551             |
| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | BA-9673-33 / Sulfuric Acid,<br>Instra-Analyzed (cs/6c2.5L)        | 23D2462010          | 03/20/2028         | 09/21/2023 /<br>mohan      | 09/05/2023 /<br>mohan          | M5673             |
| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | 140440 / TEST<br>PAPERS,PH,0-2.5,.2SENSI,<br>100PK                | 80A0441             | 02/29/2028         | 09/03/2024 /<br>jignesh    | 08/19/2024 /<br>Jaswal         | M6069             |
| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | BA-9530-33 / Hydrochloric<br>Acid, Instra-Analyzed<br>(cs/6x2.5L) | 0000275677          | 05/13/2025         | 11/13/2024 /<br>Eman       | 10/13/2024 /<br>Eman           | M6121             |
| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | DIW / DI Water  | Daily Lab-Certified | 10/24/2024         | 10/24/2019 /<br>apatel     | 10/24/2019 /<br>apatel         | W2606             |
| Supplier                       | ItemCode / ItemName   | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific                 | AC156212500 /   | A0405990            | 01/24/2030         | 01/24/2020 /               | 01/24/2020 /                   | W2653             |



# **CHEMICAL RECEIPT LOG BOOK**

| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|--------------------------------|---|------------|--------------------|----------------------------|--------------------------------|-------------------|
| PCI Scientific<br>Supply, Inc. | D16-500 / DEXTROSE<br>ANHYDROUS ACS<br>REAGENT, 500G(New) | 186122A    | 01/24/2030         | 01/24/2020 /<br>apatel     | 01/24/2020 /<br>apatel         | W2654             |
| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | BA-9254-03 / Acetone,<br>Ultra Resi (cs/4x4L)             | 0000263246 | 06/17/2023         | 12/23/2020 /<br>ketankumar | 12/23/2020 /<br>ketankumar     | W2783             |
| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | PC19510-7 / Sodium<br>Hydroxide Pellets 12 Kg             | 21C2456604 | 01/31/2024         | 03/30/2022 /<br>JIGNESH    | 06/24/2021 /<br>apatel         | W2845             |
| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Supelco                        | 90157 / Cyanide Standard,<br>1000ppm from Supelco         | HC03107133 | 06/30/2023         | 01/24/2022 /<br>apatel     | 01/24/2022 /<br>apatel         | W2898             |
| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | 31390 /<br>1,5-Diphenylcarbazide                          | MKCR6636   | 12/09/2027         | 12/09/2022 /<br>Iwona      | 12/09/2022 /<br>Iwona          | W2979             |
| Supplier                       | ItemCode / ItemName                                       | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|                                | 1   | I          | 1                  | 02/15/2024 /               | 10/18/2023 /                   |                   |



# **CHEMICAL RECEIPT LOG BOOK**

| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|--------------------------------|---|---------------------|--------------------|----------------------------|--------------------------------|-------------------|
| PCI Scientific<br>Supply, Inc. | 04667-2.5 / Silica Gel<br>(60-200 mesh), 2.5 KG     | 072154301           | 01/30/2029         | 05/07/2024 /<br>jignesh    | 01/30/2024 /<br>jignesh        | W3079             |
| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | 4620-32 / MANGANOUS<br>SULFATE SOLUTION-364         | 2403J02             | 03/31/2026         | 04/22/2024 /<br>Iwona      | 04/22/2024 /<br>Iwona          | W3103             |
| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | AL69870-8 / SODIUM<br>THIOSULFATE,0.025N,4LIT<br>RE | 4403S13             | 09/30/2025         | 04/22/2024 /<br>Iwona      | 04/22/2024 /<br>Iwona          | W3105             |
| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| PCI Scientific<br>Supply, Inc. | AL04100-4 / Alkaline<br>lodide Azide, 1 L           | 1405D67             | 04/30/2026         | 05/23/2024 /<br>Iwona      | 05/23/2024 /<br>lwona          | W3109             |
| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | BA-9262-03 / Hexane,<br>Ultra-Resi (cs/4x4L)        | 235898              | 02/28/2029         | 06/27/2024 /<br>jignesh    | 06/26/2024 /<br>jignesh        | W3110             |
| Supplier                       | ItemCode / ItemName                                 | Lot #               | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
| Seidler Chemical               | DIW / DI Water                                      | Daily Lab-Certified | 07/03/2029         | 07/03/2024 /<br>Iwona      | 07/03/2024 /<br>Iwona          | W3112             |



Fax: 908 789 8922

### **CHEMICAL RECEIPT LOG BOOK**

| Supplier                       | ItemCode / ItemName                           | Lot #      | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|--------------------------------|---|------------|--------------------|----------------------------|--------------------------------|-------------------|
| PCI Scientific<br>Supply, Inc. | PC19510-7 / Sodium<br>Hydroxide Pellets 12 Kg | 23B1556310 | 12/31/2025         | 07/08/2024 /<br>lwona      | 07/08/2024 /<br>Iwona          | W3113             |

| Supplier | ItemCode / ItemName   | Lot # | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|----------|---|-------|--------------------|----------------------------|--------------------------------|-------------------|
| HACH     | 1486266 / BOD Nutrient<br>Buffer Pillows, 6 mL<br>concentrate to make 6 L,<br>50/pk | A4169 | 06/30/2029         | 11/20/2024 /<br>rubina     | 10/01/2024 /<br>Iwona          | W3144             |

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



1.19533.0500 Cyanide standard solution traceable to SRM from NIST K<sub>2</sub>[Zn(CN)<sub>4</sub>] in H<sub>2</sub>O

1000 mg/I CN Certipur®

HC03107133 **Batch** 

|               |                      |              |      | <br> |  |
|---------------|----------------------|--------------|------|------|--|
|               |                      | Batch Values |      |      |  |
| Concentration | β (CN <sup>-</sup> ) | 1002         | mg/l |      |  |

Determination method: Argentometric titration.

The content of this solution was determined with silver nitrate standard solution (article number 1.09081) standardized against volumetric standard sodium chloride (article number 1.02406). The expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor for 95% of the expanded measurement uncertainty is  $\pm$  0.7 % (k=2 coverage factor fac coverage probability). The certified value is traceable to primary standard NIST SRM 999c (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard sodium chloride, measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Date of release (DD.MM.YYYY) 02.07.2020 Minimum shelf life (DD.MM.YYYY) 30.06.2023

Ayfer Yildirim

Responsible laboratory manager quality control

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

Acetone
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9254-03 Batch No.: 0000263246

Manufactured Date: 2020/06/17 Expiration Date: 2023/06/17

Revision No: 1

# Certificate of Analysis

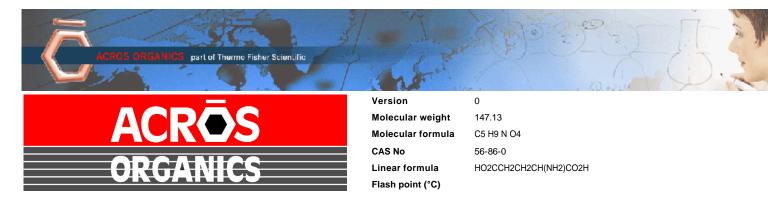
| Test  | Specification | Result |
|---|---------------|--------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.7   |
| Color (APHA)  | <= 10         | 5      |
| Residue after Evaporation   | <= 1.0000 ppm | 0.1000 |
| Substances Reducing Permanganate  | Passes Test   | PT     |
| Titrable Acid (µeq/g)   | <= 0.3        | 0.1    |
| Titrable Base (µeq/g)   | <= 0.6        | < 0.1  |
| Water (H₂O)   | <= 0.5 %      | 0.3    |
| FID–Sensitive Impurities (as 2–Octanol) Single Impurity<br>Peak (ng/mL) | <= 5          | < 1    |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 5      |

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

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC





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                  |                             |               |  |  |

| 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: <a href="http://www.acros.com">http://www.acros.com</a> 1 Reagent Lane, Fair Lawn, NJ 07410,USA Fax 201-796-1329

Issued: 24 January 2020





### **CERTIFICATE OF ANALYSIS**

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 152305 • Mfg. Date: 05/2023 • Exp. Date: 05/2025

#### 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 x10<sup>9</sup> cfu/a.

#### GLUCOSE/GLUTAMIC-ACID RESULTS:

Tested results within acceptable range 198 +/- 30.5 mg/L (167.5 - 228.5 mg/L). GGA Lot# L257-09 – Average Test Result: 203.4

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 assure that the Finished Product conforms to the above specification.

Signature:

Date: 05/15/2023

**Quality Control Department** 

POLYSEED.Ref.1.19

Revised Jan 23





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. 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:

Na<sub>2</sub>SO<sub>4</sub>

SPECIFICATION NUMBER: 6399

RELEASE DATE:

ABR/21/2023

LOT NUMBER:

313201

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|--|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | 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 <sub>4</sub> )             | 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

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 (H <sub>2</sub> SO <sub>4</sub> )   | 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 <sub>4</sub> )                     | ≤ 1 ppm       | 1 ppm       |   |
| Chloride (Cl)                                   | ≤ 0.1 ppm     | < 0.1 ppm   |   |
| Nitrate (NO <sub>3</sub> )                      | ≤ 0.2 ppm     | < 0.1 ppm   |   |
| Phosphate (PO <sub>4</sub> )                    | ≤ 0.5 ppm     | < 0.1 ppm   |   |
| Trace Impurities - Aluminum (AI)                | ≤ 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





#### 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





R->10/13/24 Met dig

M 6121

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

Revision No: 1

# Certificate of Analysis

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

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

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

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

Country of Origin:

US

Packaging Site:

Phillipsburg Mfg Ctr & DC



W 2979

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

lec: 12/08/22

exp. 12/08/27

**Certificate of Analysis** 

1,5-Diphenylcarbazide - ACS reagent

**Product Number:** 

259225

Batch Number:

MKCR6636

Brand:

SIAL

CAS Number:

140-22-7

MDL Number:

MFCD00003013

Formula:

C13H14N4O

Formula Weight:

242.28 g/mol

Quality Release Date:

02 JUN 2022

| Test                                   | Specification             | Result   | Result |  |
|--|---------------------------|----------|--------|--|
| Appearance (Color)                     | Conforms to Requirements  | Pink     |        |  |
| Off-White to Pink, Light Purple or Tan | -                         |          |        |  |
| Appearance (Form)                      | Powder or Chunks          | Powder   |        |  |
| Melting Point                          | 173.0 - 176.0 ℃           | 173.0 °C |        |  |
| Infrared Spectrum                      | Conforms to Structure     | Conforms |        |  |
| Residue on ignition (Ash)              | < 0.05 %                  | 0.01 %   |        |  |
| 15 minutes, 800 Degrees Celsius        | _                         |          |        |  |
| Solubility                             | Pass                      | Pass     |        |  |
| Sensitivity Test                       | Pass                      | Pass     |        |  |
| Meets ACS Requirements                 | Current ACS Specification | Conforms |        |  |

Larry Coers, Director Quality Control Milwaukee, WI US

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

#### **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 (Å, 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

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

customerservice@riccachemical.com

# 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) | 0.02499-0.02501 N at 20°C | 0.02501 N at 20°C | 136       |

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

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

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

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

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



Production Manager

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

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

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# 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

Quality System has been 5

1 Reagent Lane Fair Lawn, NJ 07410

201.796.7100 tel 201.796.1329 fax Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

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

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

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

Harout Sahagian - Quality Control Manager - Fair Lawn

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

<sup>\*</sup>Based on suggested storage condition.



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.



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.



#### An ISO 9001 Certified Company

## Certificate of Analysis

### This is a Component of 1486266 / LOT A4169

**PRODUCT:** BOD Nutrient Buffer Pillows

PRODUCT NUMBER: 1486227 LOT NUMBER: A4169

**MANUFACTURE DATE:** 06/24/2024 **DATE OF ANALYSIS:** 07/03/2024

| TEST  | SPECIFICATIONS   | RESULTS   |
|---|------------------|-----------|
| Calcium Concentration of a diluted pillow         | 0.93 to 1.29 ppm | 0.960 ppm |
| Magnesium Concentration of a diluted pillow       | 0.35 to 0.48 ppm | 0.390 ppm |
| pH in a 6 L of DI water                           | 7.1 to 7.6       | 7.37      |
| Ammonia Concentration of a diluted pillow         | 0.57 to 0.79 ppm | 0.593 ppm |
| Iron Concentration of a diluted pillow            | 0.27 to 0.36 ppm | 0.311 ppm |
| Sterility   | To Pass          | Passed    |
| Phosphorus Concentration of a diluted pillow      | 7.6 to 10.3 ppm  | 8.32 ppm  |
| Five Day Change in Dissolved Oxygen Concentration | -0.2 to 0.2 ppm  | 0.03 ppm  |

The expiration date is Jun 2029

Certified by: Scottals

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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



# SHIPPING DOCUMENTS



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

CHEMTECH PROJECT NO. Q1035 QUOTE NO. COC Number 2041134

| 1000  | CLIENT INFORMATION   | CLIENT PROJECT INFORMATION  |                                  |                   | CLIENT BILLING INFORMATION |              |   |  |
|---|--|---|----------------------------------|-------------------|----------------------------|--------------|---|--|
| COMPANY: Aramark Uniforms   |  | PROJECT NAME: MONTHLY   |                                  |                   | BILL TO: PO#:              |              |   |  |
| ADDRESS: 740 Frelinghuysen Ave.                                     |  | PROJECT NO.:  | LOCATION                         | 1: 1              | ADDRESS:                   |              |   |  |
| CITY NEWARK STATE: NJ ZIP: 07114                                    |  | PROJECT MANAGER:  |                                  |                   | CITY                       | STATE:       | ZIP:  |  |
| ATTENTION: JARROS MILLS   |  | e-mail:   |                                  |                   | ATTENTION: PHONE:          |              | :   |  |
| PHONE 973-820- 240 ( FAX:   |  | PHONE: FAX:   |                                  |                   |                            | ANALYSIS     |   |  |
|   | DATA TURNAROUND INFORMATION  | DATA DELIVERABLE INFORMATION  |                                  |                   |                            |              |   |  |
| FAX (RUSH)  |  | Level 1 (Results Only) Level 4 (QC + Full Raw Data) Level 2 (Results + QC) Ny Reduced US EPA CLP Level 3 (Results + QC NyS ASP A NyS ASP B + Raw Data) Other  Other |                                  |                   |                            |              |   |  |
|   | RDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS   | □ EDD FORMAT_   | a other                          | 1/2/3             | 3 / 4 / 5 / 6              | /7/8/9/      |   |  |
| CHEMTECH<br>SAMPLE<br>ID  | PROJECT<br>SAMPLE IDENTIFICATION   | SAMPLE TYPE MATRIX  SAMPLE TYPE   | SAMPLE COLLECTION EDATE TIME     | CEE               | PRESERVATIVES  4 5 6       | A            | COMMENTS  ← Specify Preservatives A-HCI D-NaOH 3-HN03 E-ICE C-H2SO4 F-OTHER |  |
| 1.  | Grab   |   | 1-8-25 1140 1                    |                   | 7 0 0                      | , , , ,      | TOTAL   |  |
| 2.  | Comp   |   |                                  | 1                 |                            |              |   |  |
| 3.  | Comp   |   | 1-8-25 1142 2                    |                   |                            |              |   |  |
| 4.  |  |   |                                  |                   |                            |              |   |  |
| 5.  |  |   |                                  |                   |                            |              |   |  |
| 6.  |  |   |                                  |                   |                            |              |   |  |
| 7.  |  |   |                                  |                   |                            |              |   |  |
| 8.  |  |   |                                  |                   |                            |              |   |  |
| 9.  |  |   |                                  |                   |                            |              |   |  |
| 10.   |  |   |                                  |                   |                            |              |   |  |
|   | SAMPLE CUSTODY MUST BE DOC   | JMENTED BELOW I   | EACH TIME SAMPLES                | CHANGE POSSESSION | ON INCLUDING COUR          | IER DELIVERY | CP War S  |  |
| 1. CN CRELINGUISHED BY  | SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY  ELINQUISHED BY SAMPLER:  DATE/TIME:  DATE/TIME |   |                                  |                   |                            |              |   |  |
| RECEIVED BY SAMPLES: DATE/TIME: 133/ RECEIVED BY: 3.  WHITE-CHEMTEC |  | CH COPY FOR RETURN TO   | CLIENT: ☐ Hand Delivered ☐ Other |                   |                            |              | Shipment Complete  VES INO  |  |



#### 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