

## Extraction and Analytical Summary Report

**Analysis Method:** 1664A  
**Test:** ASTM Oil and Grease  
**Run Number:** LB136456  
**Analysis Date:** 07/14/2025  
**BalanceID:** WC SC-6  
**OvenID:** EXT OVEN-3

**ANALYST:** jignesh  
**REVIEWED BY:** Iwona  
**Extraction Date:** 07/14/2025  
**Extraction IN Time:** 11:15  
**Extraction OUT Time:** 12:00  
**Thermometer ID:** EXT OVEN#3

| Dish # | Lab ID      | Client ID     | Matrix | pH  | Sample Weight (g) | Final Volume (mL) | Empty Dish Weight (g) | Final Empty Dish Weight (g) | Silica Gel Weight (g) | Weight After Drying (g) | Final Weight After Drying (g) | Change Weight (g) | Result in ppm |
|--------|-------------|---------------|--------|-----|-------------------|-------------------|-----------------------|-----------------------------|-----------------------|-------------------------|-------------------------------|-------------------|---------------|
| 1      | LB136456BL  | LB136456BL    | WATER  | 1.3 | 1000              | 100               | 2.5983                | 2.5983                      | 0                     | 2.5984                  | 2.5984                        | 0.0001            | 0.1           |
| 2      | LB136456BS  | LB136456BS    | WATER  | 1.3 | 1000              | 100               | 3.0214                | 3.0214                      | 0                     | 3.0381                  | 3.0381                        | 0.0167            | 16.7          |
| 3      | Q2578-04    | WC-A5-01-C    | WATER  | 1.6 | 1000              | 100               | 2.7415                | 2.7415                      | 0                     | 2.7418                  | 2.7418                        | 0.0003            | 0.3           |
| 4      | Q2578-04DUP | WC-A5-01-CDUP | WATER  | 1.6 | 1000              | 100               | 3.1526                | 3.1526                      | 0                     | 3.1529                  | 3.1529                        | 0.0003            | 0.3           |
| 5      | Q2578-04MS  | WC-A5-01-C    | WATER  | 1.6 | 1000              | 100               | 3.0188                | 3.0188                      | 0                     | 3.0392                  | 3.0392                        | 0.0204            | 20.4          |
| 6      | Q2578-04MSD | WC-A5-01-C    | WATER  | 1.6 | 1000              | 100               | 2.1411                | 2.1411                      | 0                     | 2.1616                  | 2.1616                        | 0.0205            | 20.5          |
| 7      | Q2578-08    | WC-A2-09-C    | WATER  | 1.6 | 1000              | 100               | 3.0299                | 3.0299                      | 0                     | 3.0302                  | 3.0302                        | 0.0003            | 0.3           |
| 8      | Q2578-12    | WC-A2-10-C    | WATER  | 1.6 | 1000              | 100               | 2.4074                | 2.4074                      | 0                     | 2.4079                  | 2.4079                        | 0.0005            | 0.5           |
| 9      | Q2578-16    | WC-A2-11-C    | WATER  | 1.6 | 1000              | 100               | 3.1966                | 3.1966                      | 0                     | 3.1970                  | 3.1970                        | 0.0004            | 0.4           |
| 10     | Q2578-20    | WC-A2-12-C    | WATER  | 1.6 | 1000              | 100               | 2.7044                | 2.7044                      | 0                     | 2.7046                  | 2.7046                        | 0.0002            | 0.2           |
| 11     | Q2579-04    | WC-A2-13-C    | WATER  | 1.6 | 1000              | 100               | 3.1691                | 3.1691                      | 0                     | 3.1696                  | 3.1696                        | 0.0005            | 0.5           |
| 12     | Q2579-08    | WC-A2-14-C    | WATER  | 1.6 | 1000              | 100               | 2.4855                | 2.4855                      | 0                     | 2.4858                  | 2.4858                        | 0.0003            | 0.3           |

QC Batch# LB136456

**Test:** ASTM Oil and Grease

**Analysis Date:** 07/14/2025

### Chemicals Used:

| Chemical Name  | Chemical Lot # |
|----------------|----------------|
| HEXANE         | W3204          |
| pH Paper 0-14  | M6069          |
| Sodium Sulfate | EP2624         |
| 1:1 HCL        | WP112782       |
| Silica Gel     | NA             |
| Sand           | NA             |

### Standards Used:

| Standard Name | Amount Used | Standard Lot # |
|---------------|-------------|----------------|
| LCSW          | 2.5 ML      | WP112783       |
| LCSWD         | NA          | NA             |
| MS/MSD        | 2.5 ML      | W0112784       |

### 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 : 13:35

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 13:00

Bal Check Time: 11:25 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 14:10

Out Time1: 13:01

## After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 70 °C Dessicator Time In2 : 15:16

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 14:40

Bal Check Time: 16:02 Out OVEN TEMP2: 70 °C Dessicator Time Out2: 16:00

Out Time2: 15:15

# WORKLIST(Hardcopy Internal Chain)

UB 136456

WorkList Name : astm oil & grease q2589      WorkList ID : 190708      Department : Wet-Chemistry      Date : 07-14-2025 10:51:24

| Sample   | Customer Sample | Matrix | Test                | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------------|--------------|----------|-----------------------------|--------------|--------|
| Q2578-04 | WC-A5-01-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2578-08 | WC-A2-09-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2578-12 | WC-A2-10-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2578-16 | WC-A2-11-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2578-20 | WC-A2-12-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2579-04 | WC-A2-13-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |
| Q2579-08 | WC-A2-14-C      | Solid  | ASTM Oil and Grease | Cool 4 deg C | ENTA05   | D41                         | 07/10/2025   | 1664A  |

Date/Time 07/14/25 11:10  
 Raw Sample Received by: SB WCC  
 Raw Sample Relinquished by: SB WCC

Date/Time 07/14/25 11:30  
 Raw Sample Received by: SB WCC  
 Raw Sample Relinquished by: SB WCC