



## Extraction and Analytical Summary Report

Analysis Method: 1664A  
Test: ASTM Oil and Grease  
Run Number: LB120680  
Analysis Date: 06/15/2022  
BalanceID: WC SC-6  
OvenID: EXT OVEN-3

ANALYST: jignesh  
REVIEWED BY: Iwona  
Extraction Date: 06/15/2022  
Extraction IN Time: 08:20  
Extraction OUT Time: 08:45  
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      | LB120680BL  | LB120680BL     | WATER  | 1.3 | 1000              | 100               | 2.9743                | 2.9743                      | 0                     | 2.9744                  | 2.9744                        | 0.0001            | 0.1           |
| 2      | LB120680BS  | LB120680BS     | WATER  | 1.3 | 1000              | 100               | 2.9823                | 2.9823                      | 0                     | 2.9991                  | 2.9991                        | 0.0168            | 16.8          |
| 3      | N3209-16    | WC-14B-4       | WATER  | 1.3 | 1000              | 100               | 2.9959                | 2.9959                      | 0                     | 2.9970                  | 2.9970                        | 0.0011            | 1.1           |
| 4      | N3209-17    | WC-14B-10      | WATER  | 1.3 | 1000              | 100               | 2.9955                | 2.9955                      | 0                     | 2.9965                  | 2.9965                        | 0.0010            | 1             |
| 5      | N3209-18    | WC-14B-2-1     | WATER  | 1.6 | 1000              | 100               | 3.0235                | 3.0235                      | 0                     | 3.0252                  | 3.0252                        | 0.0017            | 1.7           |
| 6      | N3304-16    | WC-14A-1A-10   | WATER  | 1.6 | 1000              | 100               | 3.1061                | 3.1061                      | 0                     | 3.1094                  | 3.1094                        | 0.0033            | 3.3           |
| 7      | N3304-18    | WC-14A-1A-9    | WATER  | 1.6 | 1000              | 100               | 3.0009                | 3.0009                      | 0                     | 3.0046                  | 3.0046                        | 0.0037            | 3.7           |
| 8      | N3304-20    | WC-14A-1A-6    | WATER  | 1.3 | 1000              | 100               | 2.9979                | 2.9979                      | 0                     | 3.0008                  | 3.0008                        | 0.0029            | 2.9           |
| 9      | N3334-04    | WC-14A-1A-7    | WATER  | 1.3 | 1000              | 100               | 2.9959                | 2.9959                      | 0                     | 3.0079                  | 3.0079                        | 0.0120            | 12            |
| 10     | N3334-10    | WC-14A-1A-8    | WATER  | 1.3 | 1000              | 100               | 2.9765                | 2.9765                      | 0                     | 2.9781                  | 2.9781                        | 0.0016            | 1.6           |
| 11     | N3334-16    | WC-14A-1A-11   | WATER  | 1.3 | 1000              | 100               | 3.1104                | 3.1104                      | 0                     | 3.1291                  | 3.1291                        | 0.0187            | 18.7          |
| 12     | N3334-22    | WC-14A-1A-5    | WATER  | 1.6 | 1000              | 100               | 2.9999                | 2.9999                      | 0                     | 3.0077                  | 3.0077                        | 0.0078            | 7.8           |
| 13     | N3334-22DUP | WC-14A-1A-5DUP | WATER  | 1.6 | 1000              | 100               | 3.0453                | 3.0453                      | 0                     | 3.0528                  | 3.0528                        | 0.0075            | 7.5           |
| 14     | N3334-22MS  | WC-14A-1A-5    | WATER  | 1.6 | 1000              | 100               | 3.0147                | 3.0147                      | 0                     | 3.0421                  | 3.0421                        | 0.0274            | 27.4          |
| 15     | N3334-22MSD | WC-14A-1A-5    | WATER  | 1.6 | 1000              | 100               | 3.1698                | 3.1698                      | 0                     | 3.1971                  | 3.1971                        | 0.0273            | 27.3          |



QC Batch# LB120680      Test: ASTM Oil and Grease      Analysis Date: 06/15/2022

**Chemicals Used:**

| Chemical Name  | Chemical Lot # |
|----------------|----------------|
| HEXANE         | W2919          |
| pH Paper 0-14  | M4909          |
| Sodium Sulfate | EP2247         |
| 1:1 HCL        | WP95586        |
| Silica Gel     | NA             |
| Sand           | NA             |

### Standards Used:

| Standard Name | Amount Used | Standard Lot # |
|---------------|-------------|----------------|
| LCSW          | 2.5 ML      | WP95587        |
| LCSWD         | NA          | NA             |
| MS/MSD        | 2.5 ML      | WP95588        |

### BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

## Before Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 10:16

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time1: 09:25

Bal Check Time: 08:30 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 11:00

Out Time1: 10:15

## After Analysis

0.0020 gram Balance: 0.0021 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 12:40

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time2: 11:35

Bal Check Time: 12:45 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 12:41

Out Time2: 12:10

# WORKLIST(Hardcopy Internal Chain)

120680

WorkList Name : astm oil & grease n3334 WorkList ID : 160552 Department : Wet-Chemistry Date : 06-15-2022 08:10:19

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method |
|------------|--------|----------|---------------------|--------------|----------|-----------------------------|-----------------|--------------|--------|
| 06/08/2022 | Solid  | N3209-16 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | P11                         | WC-14B-4        | 06/03/2022   | 1664A  |
| 06/08/2022 | Solid  | N3209-17 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | P11                         | WC-14B-10       | 06/03/2022   | 1664A  |
| 06/08/2022 | Solid  | N3209-18 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | P11                         | WC-14B-2-1      | 06/03/2022   | 1664A  |
| 06/14/2022 | Solid  | N3304-16 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-10    | 06/09/2022   | 1664A  |
| 06/14/2022 | Solid  | N3304-18 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-9     | 06/09/2022   | 1664A  |
| 06/14/2022 | Solid  | N3304-20 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-6     | 06/09/2022   | 1664A  |
| 06/15/2022 | Solid  | N3334-04 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-7     | 06/10/2022   | 1664A  |
| 06/15/2022 | Solid  | N3334-10 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-8     | 06/10/2022   | 1664A  |
| 06/15/2022 | Solid  | N3334-16 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-11    | 06/10/2022   | 1664A  |
| 06/15/2022 | Solid  | N3334-22 | ASTM Oil and Grease | Cool 4 deg C | ROUX02   | D11                         | WC-14A-1A-5     | 06/10/2022   | 1664A  |

Date/Time 06-15-22 08:15  
 Raw Sample Received by: JP (WOC)  
 Raw Sample Relinquished by: JP (WOC)

Date/Time 06-15-22 11:00  
 Raw Sample Received by: JP (WOC)  
 Raw Sample Relinquished by: JP (WOC)