



## Extraction and Analytical Summary Report

Analysis Method: 1664A  
Test: ASTM Oil and Greas  
Run Number: LB105977  
Analysis Date: 10/29/2019  
BalanceID: WC SC-3  
OvenID: EXT OVEN-3

ANALYST: JIGNESH  
REVIEWED BY: apatel  
Extraction Date: 10/29/2019  
Extraction IN Time: 07:30  
Extraction OUT Time: 08:10

| Dish # | Lab ID      | Client ID       | Matrix | pH  | Sample Weight (g) | Final Volume (ml) | Empty Dish Weight | 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      | LB105977BL  | LB105977BL      | WATER  | 1.3 | 1000              | 100               | 2.6974            | 2.6974                      | 0                     | 2.6974                  | 2.6974                        | 0.0000            | 0             |
| 2      | LB105977BS  | LB105977BS      | WATER  | 1.3 | 1000              | 100               | 2.1367            | 2.1367                      | 0                     | 2.1557                  | 2.1557                        | 0.0190            | 19            |
| 3      | LB105977BSD | LB105977BSD     | WATER  | 1.3 | 1000              | 100               | 2.4587            | 2.4587                      | 0                     | 2.4778                  | 2.4778                        | 0.0191            | 19.1          |
| 4      | K5568-03    | IDW-SOIL-102519 | WATER  | 1.3 | 1000              | 100               | 2.9872            | 2.9872                      | 0                     | 2.9877                  | 2.9877                        | 0.0005            | 0.5           |



QC Batch# LB105977      Test: ASTM Oil and G      Analysis Date: 10/29/2019

**Chemicals Used:**

| Chemical Name  | Chemical Lot # |
|----------------|----------------|
| HEXANE         | W2601          |
| pH Paper 0-14  | M4412          |
| Sodium Sulfate | EP1995         |
| 1:1 HCL        | WP79191        |
| Silica Gel     | NA             |
| Sand           | NA             |

**Standards Used:**

| Standard Name | Amount Used | Standard Lot # |
|---------------|-------------|----------------|
| LCSW          | 5.00 ML     | WP79192        |
| LCSWD         | 5.00 ML     | WP79192        |
| MS/MSD        | NA          | NA             |

**BALANCE CALIBRATION / OVEN Dessicator Data**

Analytical Balance ID # : WC SC-3

Before Analysis

|                      |               |                 |              |                      |              |
|----------------------|---------------|-----------------|--------------|----------------------|--------------|
| 0.0020 gram Balance: | <u>0.0019</u> | In OVEN TEMP1 : | <u>70 °C</u> | Dessicator Time In1  | <u>09:31</u> |
| 1.0000 gram Balance: | <u>1.0004</u> | In Time1:       | <u>08:30</u> |                      |              |
| Bal Check Time:      | <u>07:40</u>  | Out OVEN TEMP1: | <u>70 °C</u> | Dessicator Time Out1 | <u>10:00</u> |
|                      |               | Out Time1       | <u>09:30</u> |                      |              |

After Analysis

|                      |               |                 |              |                      |              |
|----------------------|---------------|-----------------|--------------|----------------------|--------------|
| 0.0020 gram Balance: | <u>0.0021</u> | In OVEN TEMP2 : | <u>71 °C</u> | Dessicator Time In2  | <u>11:01</u> |
| 1.0000 gram Balance: | <u>1.0003</u> | In Time2:       | <u>10:30</u> |                      |              |
| Bal Check Time:      | <u>12:05</u>  | Out OVEN TEMP2: | <u>71 °C</u> | Dessicator Time Out2 | <u>11:30</u> |
|                      |               | Out Time2:      | <u>11:00</u> |                      |              |

LB 105977

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ASTM O & G K5478      WorkList ID : 132691      Department : Wet-Chemistry      Date : 10-29-2019 7:20:04

| Due Date   | Matrix | Sample   | Test                  | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|------------|--------|----------|-----------------------|--------------|----------|------------------|-----------------|--------------|--------|
| 10/30/2019 | Solid  | K5568-03 | ✓ ASTM Oil and Grease | Cool 4 deg C | JACO05   | D61              | IDW-SOIL-102519 | 10/25/2019   | 1664A  |

Date/Time 10/24/14 5:25  
Received by: JO  
Relinquished by: [Signature]

Date/Time 10/24/14 10:00  
Received by: [Signature]  
Relinquished by: Jn