

Certificate prepared at

A quality management system registered to the international standard ISO 9001 was used to manufacture and test this material.

Croda Inc.  
8 Croda Way  
Mill Hall PA 17751  
USA

**Inspection Lot** 040001066281  
**C of A Printed.** 09/10/2020  
**Croda Order No.** 3376305  
**Croda Del. No.** 83856420  
**Quantity.** 100.000 KG

### Batch Details

|                      |                                |                             |            |
|----------------------|--------------------------------|-----------------------------|------------|
| <b>Product Name:</b> | SP CROTHIX LIQUID MBAL-LQ-(MH) | <b>Date of test:</b>        | 08/24/2020 |
| <b>Product Code:</b> | ES41104/0100/4P35              | <b>Date of manufacture:</b> | 08/23/2020 |
| <b>Batch No:</b>     | 0001720981                     | <b>Retest date:</b>         | 08/23/2022 |

**Specification:** NEW 12-MAY-2016

### Quality Control

#### Results Analytical Test

| Method No. | Characteristic          | Specification Limit |       | Value | Unit     | Status |
|------------|-------------------------|---------------------|-------|-------|----------|--------|
|            |                         | Lower               | Upper |       |          |        |
|            | Addendum 00             |                     |       | Pass  | -        | P      |
| AU020000   | APPEARANCE              |                     |       | Pass  | -        | P      |
| AU021000   | ODOR                    |                     |       | Pass  | -        | P      |
| AU320000   | COLOR (1933 GARDNER)    | 0.0                 | 2.0   | 0.1   | Gardner  | P      |
| EU0100B0   | ACID VALUE              | 0.0                 | 5.0   | 1.2   |          | P      |
| EU040100   | SAPONIFICATION VALUE    | 35                  | 43    | 37    | mg KOH/g | P      |
| FU660300   | SOLIDS CONTENT (DENVER) | 69.0                | 71.0  | 69.2  | %        | P      |
| LU6101A0   | ETHYLENE OXIDE          | 0                   | 1     | 0     | ppm      | P      |
| LU6101A0   | 1,4-DIOXANE             | 0                   | 5     | 0     | ppm      | P      |

Product may exhibit phase separation at cold temperatures. To reconstitute, warm to 40°C and mix.  
THIS PRODUCT IS OFFERED IN COMPLIANCE WITH THE ROUND TABLE FOR SUSTAINABLE PALM - MASS BALANCE GUIDELINES AUTHORIZED UNDER CERTIFICATE NUMBER BMT-RSPO-000179.

**Batch Status:** Pass

The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt.