

Customer details

**Customer Ref.**  
**Inspection Lot** 040000928346

Batch Details

|                      |                          |                             |            |
|----------------------|--------------------------|-----------------------------|------------|
| <b>Product Name:</b> | SP INCROQUAT BEHENYL TMS | <b>Date of test:</b>        | 11.02.2019 |
| MBAL-PA-(MH)         |                          | <b>Date of manufacture:</b> | 04.02.2019 |
| <b>Product Code:</b> | HA41040/0025/4B2/8       | <b>Retest date:</b>         | 03.02.2021 |
| <b>Batch No:</b>     | 0001497932               |                             |            |

**Specification:** REVISED 12-AUG-2014

Quality Control Results

| Analytical Test<br>Method No. | Characteristic              | Specification Limit |       | Value | Unit    | Status |
|-------------------------------|-----------------------------|---------------------|-------|-------|---------|--------|
|                               |                             | Lower               | Upper |       |         |        |
|                               | Addendum 00                 | PASS OR FAIL        |       | Pass  | -       | P      |
| AU020000                      | APPEARANCE (FORM)<br>25°C   | PASTILLES           |       | Pass  | -       | P      |
| AU320000                      | COLOR (1933 GARDNER)        | 0.0                 | 1.0   | 0.1   | Gardner | P      |
| AU021000                      | ODOR                        | CHARACTERISTIC      |       | Pass  | -       | P      |
| EU130100                      | ORIGINAL PH<br>(1% AQUEOUS) | 6.0                 | 7.0   | 6.7   |         | P      |
| EU180100                      | FREE AMINE<br>(MW=378.3)    | 0.0                 | 2.0   | 1.7   | %       | P      |
| FU070200                      | MELTING POINT (SLIP)        | 55                  | 65    | 61    | °C      | P      |
| FU5100C0                      | % ACTIVES (MW=504.4)        | 24.0                | 26.0  | 25.1  | %       | P      |

Original pH specified is at time of manufacture. Methosulfate quats will exhibit some drift during storage but will not drift below 4.0. Retest pH is the value at the time of retest, if applicable.

FAILURE TO STORE AT LESS THAN 90°F (32.2°C) CAN CAUSE COAGULATION.

THIS PRODUCT IS OFFERED IN COMPLAINE 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

## Certificate of Analysis

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

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beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt

The name printed at the end of this document is an electronic signature.

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