

# Certificate of Analysis

## GRACEFRUIT LTD

209 Glasgow Road  
Longcroft  
Bonnybridge

FK4 1QQ  
UNITED KINGDOM

**Batch Number:** FR12158

**Product Name:** Cocamidopropyl Betaine

| Analysis Parameters                  | Type | Limit 1 | Limit 2 | Result     |
|--------------------------------------|------|---------|---------|------------|
| Active Content (%)                   | >    | 29      |         | 30.97      |
| Sodium Chloride (%)                  | <    | 6.0     |         | 5.2        |
| pH                                   | R    | 4.0     | 7.0     | 5.1        |
| Amidoamine / Amid Ammonium Salts (%) | <    | 0.5     |         | 0.41       |
| Date of manufacture                  | D    |         |         | 15/12/17   |
| Recommended retest date              | D    |         |         | 05/12/19   |
| Manufacturer's Batch Number          | T    |         |         | K117C02116 |

**We confirm that this material conforms to the agreed specification. This certificate is computer generated and therefore does not require a signature.**

### Key

>: Greater than or equal to

<: Less than or equal to

=: Equals

R: Range

D: Date

T: Text