

## Gracefruit Ltd

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[www.gracefruit.com](http://www.gracefruit.com)

VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368

# Certificate of Analysis

**Description:** Vegetable Glycerine

**Lot No:** 108487

**Inci Name:** Glycerin

**Cas No:** 56-81-5

**Einecs No:** 200-289-5

| ANALYTICAL DETAILS                | RANGE                                   | RESULT   |
|-----------------------------------|---|----------|
| APPEARANCE @ 20 °C                | Light, colourless, clear viscous liquid | Complies |
| ODOUR                             | Typical, Specific                       | Complies |
| COLOUR (APHA/ HAZEN)              | ≤ 10.0                                  | 1.0      |
| GLICEROL CONTENT (%)              | > 99.5                                  | 99.8     |
| RELATIVE DENSITY @ 20 °C          | ≥ 1.2620                                | 1.263    |
| REFRACTIVE INDEX @ 20 °C          | 1.4710 – 1.4750                         | 1.472    |
| IDENTIFICATION B                  | Pass EP B limit test                    | Complies |
| IDENTIFICATION C                  | Pass EP C limit test                    | Complies |
| IDENTIFICATION D                  | Pass EP D limit test                    | Complies |
| IMPURITY A AND RELATED SUBSTANCES | Pass                                    | Complies |
| ACIDITY – ALKALINITY (MI 0.1NaOH) | ≤ 0.2                                   | 0.1      |
| ESTER (ML 0.1 N HCl)              | ≥ 8.0                                   | 8.3      |
| SUGARS                            | Negative                                | Complies |
| ALDEHYDES (PPM)                   | Pass EP limit test (≤ 10.0)             | Complies |
| HALOGENATED COMPOUNDS (PPM)       | Pass EP limit test (≤ 35.0)             | Complies |
| CHLORIDES (mg/kg)                 | Pass EP limit test ≤ 10.0               | 2.9      |
| HEAVY METALS (mg/kg (as Pb)       | Pass EP limit test ≤ 5.0                | Complies |
| WATER (%)                         | ≤ 0.5                                   | 0.19     |
| SULPHATED ASH (%)                 | ≤ 0.01                                  | <0.01    |

Date Produced: February 2015

Best Before: February 2017

R00180

30/03/2015