



CERTIFICATE OF ANALYSIS
ORGANIC CASTOR OIL

| | | | |
|---------------|-------------------|-----------|---------|
| Customer: | The Soap Kitchen | Order No: | - |
| Quantity: | 2 x 25 litre drum | Batch No: | KMO5791 |
| Date: | 07.09.2018 | Code No: | - |
| Supplier Ref: | 962 | | |

Appearance: A clear pale yellow liquid
Odour: Very slight, characteristic.

| TEST | SPECIFICATION | ANALYSIS |
|--|---------------|----------|
| Specific Gravity @ 20°C | 0.954 – 0.980 | 0.9600 |
| Refractive Index @ 20°C | 1.470 – 1.481 | 1.4787 |
| Peroxide Value (Meq O ₂ / Kg) | < 20.0 | 0.69 |
| Iodine Value (G/100g) | 82.0 – 90.0 | 85.56 |
| Acid Value | < 5.0 | 0.78 |
| Saponification Value (Mg Koh/Gr) | 176.0 – 187.0 | 180.48 |
| Hydroxyl Value (Mgkoh/G) | >150.0 | 165.36 |

| FATTY ACID PROFILE (%) | SPECIFICATION | ANALYSIS |
|-----------------------------|---------------|----------|
| C 16:0 Palmitic Acid | <2.0 | 1.12 |
| C 18:0 Stearic Acid | <2.5 | 1.33 |
| C 18:1 Oleic Acid | 2.0 – 6.0 | 3.68 |
| C 18:1 (OH) Ricinoleic Acid | 85.0 – 95.0 | 87.96 |
| C 18:2 Linoleic Acid | 1.0 – 7.0 | 4.62 |
| C 18:3 Linolenic | <1.0 | 0.43 |

Date of Manufacturing: July 2018
Date of Expiry: January 2020

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