

**The Soap Kitchen (2011) Ltd**

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**CERTIFICATE OF ANALYSIS**  
**SAFFLOWER OIL (THISTLE OIL)**

|               |                   |           |         |
|---------------|-------------------|-----------|---------|
| Customer:     |                   | Order No: | 107382  |
| Quantity:     | 2 x 25 Kilo drums | Batch No: | KMO7206 |
| Date:         | 26.10.2020        | Code No:  | OIL070  |
| Supplier Ref: | 6032E19-01        |           |         |

**Description:**

A yellow liquid with a typical odour & taste

| TEST                                  | SPECIFICATION       | ANALYSIS |
|---------------------------------------|---------------------|----------|
| Acid Value mg KOH/g                   | 0.5 maximum         | 0.10     |
| Peroxide Value meq O <sub>2</sub> /kg | 2.0% maximum        | 0.98     |
| Iodine Value                          | 120 - 135           | 127.1    |
| Saponification Value                  | 180 - 195           | 192.6    |
| Colour Lovibond 5.25" Cell            | 50.0 Yellow maximum | 6.5      |
|                                       | 5.0 Red maximum     | 0.8      |
| Unsaponifiable Matter                 | 1.5 maximum         | Complies |
| Relative Density @ 20°C               | 0.912 – 0.930       | Complies |
| Refractive Index                      | 1.472 – 1.476       | 1.473    |

| FATTY ACID COMPOSITION (%) |             |       |
|----------------------------|-------------|-------|
| C16:0 Palmitic Acid        | 5 – 8       | 5.98  |
| C18:0 Stearic Acid         | 2.5 - 7     | 3.02  |
| C18:1 Oleic Acid           | 20 - 40     | 38.82 |
| C18:2 Linoleic Acid        | 50 - 74     | 50.95 |
| C18:3 Alpha Linolenic Acid | 0.5 maximum | 0.05  |

Date of Packing: June 2020

Date of Re-test: May 2022

This COA is produced electronically therefore no signature is required.