



**The Soap Kitchen Limited**  
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**CERTIFICATE OF ANALYSIS**  
**SOYA OIL Ph.Eur**

|           |                  |           |         |
|-----------|------------------|-----------|---------|
| Customer: | The Soap Kitchen | Order No: | 112306  |
| Quantity: | 3 x 25 litres    | Lot No:   | KMO7975 |
| Date:     | 24.11.2020       | Code No:  | OIL065  |
| Batch No: | SO15             |           |         |

We certify the above material has been tested and conforms to the following specification:

|                        |   |
|------------------------|---|
| <b>Appearance:</b>     | A clear bright, pale yellow liquid  |
| <b>Solubility:</b>     | Practically insoluble in ethanol 96%, miscible with light petroleum (bp: 50-70) |
| <b>Identification:</b> | The chromatogram obtained is similar to the reference chromatogram.             |
| <b>Odour/Flavour:</b>  | Bland or faintly typical, but free from rancid or foreign flavours/odours       |

| TEST                                    | SPECIFICATION | ANALYSIS |
|---|---------------|----------|
| Peroxide Value (meq O <sub>2</sub> /kg) | 10.0 maximum  | 0.0      |
| Refractive Index @ 20°C                 | 1.475 typical | 1.4733   |
| Saponification Value                    |               | 193.0    |
| Specific Gravity @ 20°C                 | 0.922 typical | Complies |
| Colour (Gardner)                        | 3.0 maximum   | 0.6      |
| FFA                                     | 0.5 maximum   | 0.02     |
| Water (%)                               | 0.1 maximum   | Complies |
| Iodine Value                            |               | 131.8    |
| Brassica Sterols (%)                    | 0.3 maximum   | < 0.3    |
| Acid Value                              | 0.5 maximum   | Complies |
| Unsaponifiable matter                   | 1.5 maximum   | Complies |

| FATTY ACID PROFILE (%) | SPECIFICATION | ANALYSIS |
|------------------------|---------------|----------|
| Less than C14:0        | 0.1 maximum   | Complies |
| C14:0 Myristic         | 0.05 - 0.2    | Complies |
| C16:0 Palmitic         | 9 - 13        | 11.9     |
| C16:1 Palmitoleic      | 0.05 - 0.3    | Complies |
| C18:0 Stearic          | 2.5 - 5       | 3.9      |
| C18:1 Oleic            | 17 - 30       | 25.8     |
| C18:2 Linoleic         | 48 - 58       | 50.8     |
| C18:3 Alpha Linolenic  | 5 - 11        | 6.3      |
| C20:0 Icosanoic        | 1.0 maximum   | 0.4      |
| C20:1 Icosenoic        | 1.0 maximum   | 0.2      |
| C22:0 Docosanoic       | 1.0 maximum   | Complies |

Date of Packing: November 2020  
Date of Retest: November 2021

This COA is produced electronically therefore no signature is required.