

# William Hodgson & Co

Established 1894



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## **CERTIFICATE OF ANALYSIS**

### **SOYA OIL REFINED (GM)**

|           |                  |           |         |
|-----------|------------------|-----------|---------|
| Customer: | The Soap Kitchen | Order No: | 179384  |
| Quantity: | 2 x 25 kilos     | Lot No:   | KMO2523 |
| Date:     | 16.06.2022       | Code No:  | OIL065  |
| Batch No: | ML1788           |           |         |

**Appearance:** A clear bright, pale yellow liquid

**Odour/Flavour:** Bland or faintly typical, but free from rancid or foreign flavours/odours

| TEST                                    | SPECIFICATION   | ANALYSIS |
|-----------------------------------------|-----------------|----------|
| Free Fatty Acid Content (%)             | 0.1 maximum     | 0.02     |
| Peroxide Value (meq O <sub>2</sub> /kg) | 1.0 maximum     | 0.1      |
| Iodine Value                            | 124.0 – 139.0   | 132.1    |
| Colour (Lovibond 5½")                   | 2.0 Red maximum | 0.3      |
| Saponification Value                    | 185.0 – 196.0   | 191.6    |
| Refractive Index @ 20°C                 | 1.473 typical   | 1.4741   |
| Relative Density @ 20°C                 | 0.919 – 0.925   | Complies |
| Moisture (%)                            | 0.1 maximum     | Complies |

| FATTY ACID PROFILE (%) | SPECIFICATION | ANALYSIS |
|------------------------|---------------|----------|
| C16:0 Palmitic         | 8.0 – 13.5    | 10.6     |
| C18:0 Stearic          | 2.0 – 5.4     | 4.0      |
| C18:1 Oleic            | 17.0 – 30.0   | 24.8     |
| C18:2 Linoleic         | 48.0 – 59.0   | 51.7     |
| C18:3 Alpha Linolenic  | 4.5 – 11.0    | 6.9      |
| C20:0 Icosanoic        | 1.0 maximum   | 0.3      |
| C20:1 Icosenoic        | 1.0 maximum   | 0.3      |

**\*Product may contain Genetically Modified Organisms**

**Date of Packing:** June 2022

**Date of Retest:** June 2023

Product approved by William Hodgson & Co.

This COA is produced electronically therefore no signature is required.