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## Certificate Of Analysis

**PRODUCT NAME & SKU: Apricot Kernal Oil TSK-OIL051**

|               |                    |               |          |
|---------------|--------------------|---------------|----------|
| Product Name: | Apricot Kernel Oil |               |          |
| Customer:     | Soap Supplier      | Customer Ref: |          |
| Date:         | 04/11/2024         | Batch no:     | 48503-01 |

| Analytical Test                | Specification                           | Result    |
|--------------------------------|-----------------------------------------|-----------|
| Appearance                     | Clear liquid pale yellow to yellow      | Conforms  |
| Odour                          | Almost odourless                        | Conforms  |
| Colour (Lovibond 5.25" Cell)   | ≤40y, 4.0r                              | Conforms  |
| Specific Gravity @ 20°C (g/ml) | 0.910 - 0.920                           | 0.915     |
| Refractive Index @ 20°C        | 1.455 - 1.480                           | 1.471     |
| Acid value (mgKOH/g)           | ≤ 2.0                                   | 0.20      |
| Free Fatty Acid (% As Oleic)   | ≤ 1.0                                   | 0.10      |
| Iodine value (mg/g)            | 90.0 - 115.0                            | 107       |
| Saponification value (mgKOH/g) | 185.0 - 200.0                           | 189       |
| Peroxide value (Meq/kg)        | ≤ 10.0 (at time of production analysis) | 2.2       |
| <b>Fatty Acid Profile (%):</b> |                                         |           |
| C 16:0 Palmitic Acid           | 3.0 - 8.0                               | 5.0       |
| C 16:1 Palmitoleic Acid        | ≤ 1.4                                   | 0.2       |
| C 18:0 Stearic Acid            | ≤ 5.0                                   | 2.9       |
| C 18:1 Oleic Acid              | 55.0 - 72.0                             | 66.1      |
| C 18:2 Linoleic Acid           | 20.0 - 35.0                             | 24.2      |
| C 18:3 Alpha Linolenic Acid    | ≤ 1.0                                   | 0.2       |
| Packing Date:                  |                                         | 11 / 2024 |
| Recommended re-test date:      |                                         | 05 / 2026 |
| Commercial Expiry date:        |                                         | 11 / 2026 |