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## Certificate Of Analysis

PRODUCT NAME & SKU: Grapeseed Oil TSK-OIL032

|               |               |               |          |
|---------------|---------------|---------------|----------|
| Product Name: | Grapeseed Oil |               |          |
| Customer:     | Soap Supplier | Customer Ref: | -        |
| Date:         | 23/10/2024    | Batch no:     | 48417/01 |

| Analytical Test                | Specification                          | Result    |
|--------------------------------|----------------------------------------|-----------|
| Appearance                     | Clear liquid, light yellow-green       | Conforms  |
| Odour                          | Characteristic                         | Conforms  |
| Specific Gravity @ 20°C (g/ml) | 0.903 – 0.930                          | 0.921     |
| Refractive Index @ 40°C        | 1.460 – 1.477                          | 1.466     |
| Acid value (mgKOH/g)           | ≤ 1.5                                  | 0.08      |
| Free Fatty Acid (% as Oleic)   | ≤ 0.75                                 | 0.04      |
| Iodine value (mg/g)            | 118.0 - 145.0                          | 126.2     |
| Peroxide value (Meq/kg)        | ≤ 5.0 (at time of production analysis) | 0.7       |
| Fatty Acid Profile (%):        |                                        |           |
| C 16:0 Palmitic Acid           | 5.0 - 9.0                              | 7.1       |
| C 18:0 Stearic Acid            | 2.5 - 6.5                              | 4.0       |
| C 18:1 Oleic Acid              | 12.0 - 34.0                            | 23.8      |
| C 18:2 Linoleic Acid           | 53.0 - 78.0                            | 64.4      |
| C 18:3 α Linolenic Acid        | ≤ 1.5                                  | 0.3       |
| Packing Date:                  |                                        | 10 / 2024 |
| Recommended re-test date:      |                                        | 04 / 2026 |
| Commercial Expiry date:        |                                        | 10 / 2026 |