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Certificate Of Analysis

PRODUCT NAME & SKU: Fractionated Coconut Oil TSK-OIL039

Product Name:	Fractionated Coconut Oil		
Customer:	Soap Supplier	Customer Ref:	
Date:	31/07/2024	Batch no:	47862/04

Analytical Test	Specification	Result
Appearance	Clear oily liquid, water white to pale yellow at room temperature.	Conforms
Odour	Odourless.	Conforms
Specific Gravity @ 20°C (g/ml)	0.930 - 0.960	0.940
Refractive Index @ 20°C	1.440 - 1.452	1.149
Acid value (mgKOH /g)	≤ 0.2	0.04
Saponification value (mg KOH/g)	310.0 - 360.0	333.3
Viscosity @ 20°C (MPA.S)	25.0 - 33.0	Conforms
Hydroxyl value (mgKOH/g)	≤ 10.0	3.9
Water (%)	≤ 0.2	0.01
Fatty Acid Profile (%)		
C6:0 Caproic Acid	≤ 2.0	0.0
C8:0 Caprylic Acid	50.0 - 80.0	57.7
C10:0 Capric Acid	20.0 - 50.0	41.8
C12:0 Lauric Acid	≤ 3.0	0.3
Packing Date:		07 / 2024
Recommended re-test date:		01 / 2026
Commercial Expiry date:		07 / 2026

Storage	Shelf life of this product is influenced by many conditions of which temperature, exposure to light / air and general good storage are the major factors. Material stored in adverse conditions may deteriorate much faster. Our suggested "Re-test" date shown on this certificate reflects a minimum period in which we would expect product to remain in good usable conditions if stored as recommended. Thereafter its continued shelf life may be very much longer and we advise re-test at the indicated date and then every 3-6 months up to a suggested commercial expiry date as shown below. The expiry date is subjective and should be controlled by QC/QA. Typical indicators of re-test failure would be changes in organoleptic properties (clarity / colour / sediment / haze / off odour etc) Such changes may be gradual and slight and the commercial expiry date is intended to reflect a viable maximum proposal subject to earlier re-test approvals
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