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CERTIFICATE OF ANALYSIS

PRODUCT NAME & SKU: Moringa Seed Oil OIL019

Product Name:	Moringa Seed Oil		
Customer:	Soap Supplier	Customer Ref:	
Date:	18/04/2024	Batch no:	47072-02

Analytical Test	Specification	Result
Appearance	Mobile oily clear liquid pale to mid yellow	Conforms
Odour	Slight, mild typical	Conforms
Specific Gravity @ 20°C (g/ml)	0.900 - 0.925	0.915
Refractive Index @ 20°C	1.455 - 1.480	1.470
Acid value (mgKOH/g)	≤ 1.0	0.12
Saponification value (mgKOH/g)	180.0 - 200.0	191.24
Peroxide value (Meq O ₂ / kg)	≤ 10.0 (at time of production analysis)	0.18
Fatty Acid Profile (%)		
C 16:0 Palmitic Acid	≤ 10.5	5.10
C 18:0 Stearic Acid	≤ 12.0	2.92
C 18:1 Oleic Acid	65.0 - 80.0	74.76
C 18:2 Linoleic Acid	≤ 22.0	14.50
C 20:0 Arachidic Acid	≤ 2.0	0.08
Packing Date:		04 / 2024
Recommended re-test date:		10 / 2025
Commercial Expiry date:		04 / 2026