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Certificate Of Analysis

Moringa Seed Oil

TSK-OIL019

Product Name:	Moringa Seed Oil		
Customer:	Interested Party	Customer Ref:	
Date:	14/04/2025	Batch no:	49493-01

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)	<u>0.900</u> - 0.925	0.920
Refractive Index @ 20°C	<u>1.455</u> - 1.480	1.474
Acid <u>value</u> (mgKOH/g)	≤ 1.0	0.18
Saponification <u>value</u> (mgKOH/g)	<u>180.0</u> - 200.0	190.4
Peroxide value (Meg O ₂ / kg)	≤ 10.0 (at time of production analysis)	0.40
Fatty Acid Profile (%)		
C 16:0 Palmitic Acid	≤ 10.5	7.52
C 18:0 Stearic Acid	≤ 12.0	3.02
C 18:1 Oleic Acid	<u>65.0</u> - 80.0	69.56
C 18:2 Linoleic Acid	≤ 22.0	17.68
C 20:0 Arachidic Acid	≤ 2.0	0.22
Packing Date:		04 / 2025
Recommended re-test date:		10 / 2026
Commercial Expiry date:		04 / 2027

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 <u>longer</u> 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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