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Certificate Of Analysis

PRODUCT NAME & SKU: Oat Kernel Oil, Unrefined TSK-OIL016

Product Name:	Oat Kernel Oil Unrefined		
Customer:	Soap Supplier	Customer Ref:	
Date:	04/11/2024	Batch no:	48502-03

Analytical Test	Specification	Result
Appearance	Clear oily liquid, golden amber	Conforms
Odour	Characteristic	Conforms
Specific Gravity @ 20°C (g/ml)	0.910 – 0.930	0.923
Refractive Index @ 20°C	1.460 – 1.480	1.475
Acid value (mgKOH/g)	≤ 10.0	0.25
Iodine value (mg/g)	120 – 140	130.3
Peroxide value (Meq/kg)	≤ 10.0 (at time of production analysis)	1.23
Fatty Acid Profile (%)		
C16:0 Palmitic Acid	11.0 – 20.0	12.83
C16:1 Palmitoleic Acid	≤ 1.0	< 0.1
C18:0 Stearic Acid	0.0 – 3.6	2.48
C18:1 Oleic Acid	12.0 – 38.0	23.98
C 18:2 Linoleic Acid	40.0 – 60.0	53.60
C 18:3 Linolenic Acid	4.0 – 10.0	6.28
C 20:0 Arachidic Acid	≤ 1.0	0.18
C 20:1 Eicosenoic Acid	≤ 2.0	0.53
Packing date:		11 / 2024
Recommended re-test date:		05 / 2026
Commercial Expiry date:		11 / 2026