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## Certificate Of Analysis

### Name & SKU: Hempseed Oil TSK-OIL030

Product Name:	Hempseed Oil Refined		
Customer:	Soap Supplier	Customer Ref:	
Date:	16/01/2025	Batch no:	48917-01

Analytical Test	Specification	Result
Appearance:	Clear oily liquid, pale yellow.	Conforms
Odour:	Typical, free from rancid odours.	Conforms
Specific Gravity @ 20°C (g/ml)	0.915 - 0.935	0.926
Refractive Index @ 20°C	1.435 - 1.490	1.478
Acid Value (mgKOH/g)	≤ 1.0	0.16
Saponification Value (mgKOH/g)	182.0 - 198.0	191.82
Peroxide Value (Meq/kg)	≤ 10.0 ( <i>at time of production analysis</i> )	1.64
THC Content (ppm)	≤ 7.0	0.0
<b>Fatty Acid Profile (%)</b>		
C16:0 Palmitic Acid	4.0 - 12.0	7.70
C18:0 Stearic Acid	1.0 - 7.0	2.38
C18:1 Oleic Acid	5.0 - 20.0	13.19
C18:2 Linoleic Acid	45.0 - 74.0	62.98
C18:3 Alpha Linolenic Acid	9.0 - 30.0	12.31
Packing Date:		01 / 2025
Recommended re-test date:		06 / 2026
Commercial Expiry date:		01 / 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 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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