

Certificate of Analysis

Product Name:	Hemp Oil Unrefined		
		Customer Ref:	
Date:	03/05/2023	Batch no:	44515-38

Analytical Test	Specification	Result
Appearance	Clear liquid; green to dark green	Conforms
Odour	Characteristic	Conforms
Specific Gravity @ 20°C (g/ml)	0.923 – 0.931	0.925
Refractive Index @ 20°C	1.470 – 1.485	1.477
Acid value (mgKOH/g)	≤ 5.0	2.7
Free Fatty Acid (% as Oleic)	≤ 2.5	1.3
Iodine value (mg/g)	150.0 – 220.0	161.0
Saponification value (mgKOH/g)	188.0 – 195.0	191.0
Peroxide value (Meq O ₂ / kg)	≤ 20.0 (at time of production analysis)	8.5
Unsaponifiable matter (%)	≤ 2.5	1.4
Fatty Acid Profile (%)		
C 16:0 Palmitic Acid	4.0 - 10.0	6.1
C 18:0 Stearic Acid	≤ 5.0	4.1
C 18:1 Oleic Acid	5.0 – 20.0	13.4
C 18:2 Linoleic Acid	45.0 – 69.0	55.2
C 18:3 Alpha Linolenic Acid	14.0 – 28.0	15.4
C 18:3 Gamma Linolenic Acid	≤ 5.0	3.3
Packing Date:		04 / 2023
Recommended re-test date:		10 / 2024
Commercial Expiry date:		04 / 2025

Storage	<p>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</p>
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