

CERTIFICATE OF ANALYSIS

Product Name	HAZELNUT OIL
INCI Name	Corylus avellana (Hazel) Nut Oil
CAS Number	185630-72-2 ; 84012-21-5
Lot Number	LOT0021529
Manufacture Date	09/2025
Re-test Date	09/2027
Quality	100% Pure and Natural

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Clear - Light Yellow Oily Liquid	CONFOMRS
Odour	Odourless	CONFOMRS
Colour Lovibond (5.25" CELL)	≤25Y, ≤2.5R	5.0Y, 0.6R
Relative Density @ 20°C	0.915 – 0.925	0.922
Refractive Index @ 20°C	1.465 – 1.475	1.472
Free Fatty Acids (% oleic)	≤0.2	0.1
Peroxide Value (meq O₂/kg)	≤10.0	0.5
Iodine Value (calc)	83 – 90	90.0
Unsaponifiable Matter	<1.0	0.8
Saponification Value (mg KOH/gr)	187.0 – 197.0	191.0

FATTY ACID COMPOSITION:

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0	5.00 – 9.00	7.30
Palmitoleic Acid	C16:0	Maximum 1.00	0.10
Stearic Acid	C18:0	2.00 – 6.00	3.10
Oleic Acid	C18:1	68.00 - 85.00	75.50
Linoleic Acid	C18:2	7.00 - 15.00	11.90
Linolenic Acid	C18:3	Maximum 0.50	0.10
Arachidic Acid	C20:0	Maximum 0.50	0.30
Eicosanoic Acid	C20:1	Maximum 0.30	0.23

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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