

TECHNICAL DATA SHEET

Product Name	HAZELNUT OIL
Botanical Name	Corylus avellana
Product Code	PCO4029
CAS #	185630-72-2 ; 84012-21-5
EINECS #	281-667-7
INCI Name	Corylus avellana (Hazel) Seed Oil

Part Used	Nuts
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to light amber colored liquid
Odour	Faintly nutty odour
Refractive Index	1.462 - 1.475 @ 20°C
Specific Gravity (g/mL)	0.907 - 0.925 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 2.0
Iodine Value (g I₂/100g)	83 - 105
Free Fatty Acids (% oleic)	Less than 0.2
Acid Value (mgKOH/g)	Less than 0.4
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	3.00 – 6.00
Stearic Acid	C18:0	1.00 – 4.00
Oleic Acid	C18:1 (n-9)	70.00 – 82.00
Linoleic Acid	C18:2 (n-6)	8.00 – 15.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 1.50

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

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