

TECHNICAL DATA SHEET

Product Name	BLACK CUMIN SEED OIL
Botanical Name	Nigella sativa
Product Code	PCO4037
CAS #	90064-32-7
EINECS #	290-094-1
INCI Name	Nigella sativa (Black Cumin) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to amber colored liquid
Odour	Dry, mild peppery, bittery aroma
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.935 @ 25°C
Saponification Value (mgKOH/g)	180 - 210
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	110 - 130
Free Fatty Acids (% oleic)	Less than 10.0
Acid Value (mgKOH/g)	Less than 20.0
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	10.00 – 15.00
Stearic Acid	C18:0	2.00 – 4.00
Oleic Acid	C18:1 (n-9)	17.00 – 26.00
Linoleic Acid	C18:2 (n-6)	52.00 – 67.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 1.00

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

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