

TECHNICAL DATA SHEET

Product Name	NEEM OIL
Botanical Name	Azadirachta indica
Product Code	PCO4061
CAS #	8002-65-1 ; 90063-92-6
EINECS #	290-052-2
INCI Name	Azadirachta indica (Neem) Kernel Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Yellowish green to dark brown colored liquid
Odour	Herbaceous, bitter, characteristic neem-like odour
Refractive Index	1.450 - 1.485 @ 20°C
Specific Gravity (g/mL)	0.918 - 0.965 @ 20°C
Saponification Value (mgKOH/g)	185 - 205
Peroxide Value (meq O₂/kg)	Less than 20.0
Iodine Value (g I₂/100g)	60 - 85
Azadirachtin Content (ppm)	Greater than 1500
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	14.00 – 34.00
Stearic Acid	C18:0	6.00 – 24.00
Oleic Acid	C18:1 (n-9)	25.00 – 58.00
Linoleic Acid	C18:2 (n-6)	6.00 – 17.00
Arachidic Acid	C20:0	Maximum 5.0

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

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