

TECHNICAL DATA SHEET

Product Name	FLAX (LINSEED) SEED OIL
Botanical Name	Linum usitatissimum
Product Code	PCO4049
CAS #	8001-26-1
EINECS #	232-278-6
INCI Name	Linum usitatissimum (Linseed) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored liquid
Odour	Characteristic nutty odour
Refractive Index	1.472 - 1.475 @ 40°C
Specific Gravity (g/mL)	0.923 - 0.928 @ 30°C
Saponification Value (mgKOH/g)	188 - 195
Unsaponifiable Matter (%)	Maximum 1.5
Moisture (%)	Maximum 0.1
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	170 - 215
Acid Value (mgKOH/g)	Less than 0.5
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	4.00 – 7.00
Stearic Acid	C18:0	2.00 – 5.00
Oleic Acid	C18:1 (n-9)	12.00 – 34.00
Linoleic Acid	C18:2 (n-6)	17.00 – 24.00
Alpha-Linolenic Acid	C18:3 (n-3)	35.00 – 60.00

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