

TECHNICAL DATA SHEET

Product Name	SUNFLOWER OIL
Botanical Name	Helianthus annuus
Product Code	PCO4021
CAS #	8001-21-6
EINECS #	232-273-9
INCI Name	Helianthus annuus (Sunflower) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Colorless to pale yellow liquid
Odour	Little to no odour
Refractive Index	1.465 - 1.476 @ 20°C
Specific Gravity (g/mL)	0.909 - 0.924 @ 25°C
Saponification Value (mgKOH/g)	182 -194
Peroxide Value (meq O₂/kg)	Less than 2
Iodine Value (g I₂/100g)	118 - 141
Free Fatty Acids (% oleic)	Less than 0.2
Acid Value (mgKOH/g)	Less than 0.5
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 – 10.00
Stearic Acid	C18:0	2.70 – 6.50
Oleic Acid	C18:1 (n-9)	14.00 – 35.00
Linoleic Acid	C18:2 (n-6)	55.00 – 70.00

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

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