

TECHNICAL DATA SHEET

Product Name	PRICKLY PEAR SEED OIL
Botanical Name	Opuntia ficus-indica
Product Code	PCO4025
CAS #	90082-21-6
EINECS #	290-109-1
INCI Name	Opuntia ficus indica (Prickly Pear) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to yellow colored liquid
Odour	Characteristic nutty odour
Refractive Index	1.472 - 1.477 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 25°C
Saponification Value (mgKOH/g)	165 - 175
Peroxide Value (meq O₂/kg)	Less than 10
Free Fatty Acids (% oleic)	Less than 1.5
Acid Value (mgKOH/g)	Less than 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	10.00 – 14.00
Stearic Acid	C18:0	2.50 – 5.50
Oleic Acid	C18:1 (n-9)	18.00 – 30.00
Linoleic Acid	C18:2 (n-6)	55.00 – 65.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 1.00

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

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