

TECHNICAL DATA SHEET

Product Name	MORINGA OIL
Botanical Name	Moringa oleifera
Product Code	PCO4059
CAS #	93165-54-9
EINECS #	296-941-1
INCI Name	Moringa oleifera Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to orange colored liquid, may solidify at lower temperatures
Odour	Mild, nutty odour
Refractive Index	1.450 - 1.474 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.922 @ 20°C
Saponification Value (mgKOH/g)	185 - 200
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	80 - 95
Free Fatty Acids (% oleic)	Less than 0.5
Acid Value (mgKOH/g)	Less than 1
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	5.00 – 8.00
Palmitoleic Acid	C16:1 (n-7)	Maximum 3.0
Stearic Acid	C18:0	4.00 – 8.00
Oleic Acid	C18:1 (n-9)	65.00 – 80.00
Linoleic Acid	C18:2 (n-6)	Maximum 1.0
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 0.5
Arachidic Acid	C20:0	Maximum 5.0
Behenic Acid	C22:0	4.00 – 8.00

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

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