

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 bright golden colored liquid
Odour	Characteristic mild, pleasant odour
Refractive Index	1.460 - 1.474 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.922 @ 20°C
Saponification Value (mgKOH/g)	176 - 196
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	57 - 77
Acid Value (mgKOH/g)	Less than 1.0
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	2.00 – 10.00
Palmitoleic Acid	C16:1 (n-7)	1.00 – 5.00
Stearic Acid	C18:0	2.00 – 8.00
Oleic Acid	C18:1 (n-9)	65.00 – 85.00
Linoleic Acid	C18:2 (n-6)	Maximum 2.0
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 0.5
Arachidic Acid	C20:0	2.00 – 5.00
11-Eicosenoic acid	C20:1 (n-9)	0.50 – 4.00
Behenic Acid	C22:0	3.00 – 10.00

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