



TECHNICAL DATA SHEET

VERSION: MAY 2025

INGREDIENT INFORMATION

Product name	Moringa Oil Organic
Botanical name	Moringa Oleifera
CAS Number	93165-54-9
EINECS Number	296-941-1
INCI Name	Moringa Oleifera Seed Oil
Product use	Active ingredient in cosmetic applications
Origin	Peru

Part used	Seeds
Extraction Method	Cold pressed
Quality	100% pure, unrefined

ORGANOLEPTIC QUALITY

Appearance	Limpid oil when stored at above 20.5 °C (melting point). Solidifies slightly below 20°C.
Color	Golden yellow
Odor	Characteristic, light, nutty, pleasant odor

PROPERTIES:

	SPECIFICATION
Melting point	20.5 °C
Acid Value (mgKOH/g)	<6
Refractive value	1.450 – 1.475
Peroxide Value (meqO₂/kg)	<20
Saponification (mg KOH/g)	175 - 195
Iodine Value (g/100g)	65 - 80



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Fatty acids composition:

Fatty acid	SPECIFICATION (%)
C14:0 Miristic Acid	<2
C16:0 Palmitic Acid	5-8
C16:1 Hexadecenoic Acid	1-3
C17:0 Margaric Acid	<1
C18:0 Stearic Acid	4-6
C18:1 Oleic Acid (Omega 9)	70-80
C18:2 Linoleic Acid (Omega 6)	<2.0
C18:3 Linolenic Acid (Omega 3)	<1.0
C20:0 Arachidic acid	1-5
C20:1 Eicosenoic acid	2-4
C22:0 Behenic Acid	5-8
C22.1: Docosenoic acid	<1
C23:0 Tricosanoic acid	<1
C24:0 Lignoceric Acid	<2

Stability and storage:

Storage conditions: Cool, dark and dry.

Keep away from direct sunlight.

The oil can solidify below 20°C, this is reversible when the bottom is returned to room temperature. This won't affect the quality of the oil.

Shelf life: At least 36 months after the date of manufacturing, in its original closed packaging and in the recommended conditions.