

TECHNICAL DATA SHEET

Product Name	MARULA OIL
Botanical Name	Sclerocarya birrea
Product Code	PCO4052
INCI Name	Sclerocarya Birrea (Marula) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Clear light yellow colored liquid
Odour	Characteristic mild nutty odour
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.905 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	185 - 215
Peroxide Value (meq O₂/kg)	Less than 10.0
Iodine Value (g I₂/100g)	60 - 80
Acid Value (mgKOH/g)	Less than 5.0
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	9.00 – 12.00
Stearic Acid	C18:0	5.00 – 8.00
Oleic Acid	C18:1 (n-9)	70.00 – 78.00
Linoleic Acid	C18:2 (n-6)	4.00 – 7.00
Alpha-Linolenic Acid	C18:3 (n-3)	0.10 – 0.70
Arachidic Acid	C20:0	Maximum 1.00

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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

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