

Lotioncrafter

48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

Specification Sheet (TDS)

Product Name: Marula Seed Oil, Cold Pressed

Botanical Name: Sclerocarya birrea

INCI Name: Sclerocarya Birrea (Marula) Seed Oil

Items	Specifications
Appearance	Clear light-yellow colored liquid
Odor	Characteristic mild nutty odor
Refractive Index, @ 20°C	1.460 – 1.480
Specific Gravity, (g/mL) @ 20°C	0.905 – 0.930
Saponification Value (mgKOH/g)	185 – 215
Peroxide Value (g I ₂ /100g)	60 – 80
Acid Value (mgKOH/g)	< 5
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

Fatty Acid Composition

Fatty Acid	C-Chain	Specifications (%)	Results (%)
Palmitic Acid	C16:0	9.00 – 12.00	10.10
Stearic Acid	C18:0	5.00 – 8.00	5.90
Oleic Acid	C18:1 (n-9)	70.00 – 78.00	74.70
Linoleic Acid	C18:2 (n-6)	4.00 – 7.00	6.90
Alpha-Linolenic Acid	C18:3 (n-3)	0.10 – 0.70	0.50
Arachidic Acid	C20:0	1.00 max	0.30

Heavy Metals

Heavy Metal Tests	Specifications
Lead (Pb), ppm	< 10
Arsenic (As), ppm	< 2
Mercury (Hg), ppm	< 1

Part Used: Kernels

Extraction Method: Cold Pressed

Quality: 100% Pure and Natural

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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.

Country of Origin: South Africa