

MFULA MARULA SEED OIL



Botanical & Traditional Context

Marula trees are widely distributed throughout the semi-arid savannahs of eastern and southern Africa. Pollination of the tree's delightful flowers produces one of Africa's botanical gems – the marula fruit, which ripens from January until April.

The size of golf-balls, ripe marula fruit consists of an exotic tasting juicy white pulp, which is used to produce alcoholic beverages. Enclosed within the pulp is a tightly-held brown-coloured nut, which consists of 2-3 fragile, yet prized marula kernels.

In southern Africa, marula oil has been used as an emollient for babies, and in body lotions for face, feet and hands to address dry and/or cracking skin. The word 'mfula' means to extract natural radiance in the African language of Chichewa.

Product Name & Variants

Mfula Marula Seed Oil – Refined.

Ingredients

Contents: 100% *Sclerocarya birrea* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: *Sclerocarya birrea* Seed Oil
CAS No: 68956-68-3
EINECS No: 273-313-5
NMPA No: 001527-02065-6042
ABS/Nagoya: Compliant
REACH Status: Exempt - natural product

Key Application/s

Skin barrier restoration
Cleansing and moisturising
Hydration
Anti-oxidant protection

Key Content

High oleic, coupled with palmitic and stearic fatty acids.
High unsaponifiable fraction
Exceptionally high levels of β -sitosterol and Δ^5 -avenasterol.

Benefits

Radical scavenger
Fast absorbing
Light, dry oil



Physiochemical Properties

Property	Refined
Physical state at 20°C	Liquid form, with zero-low odour.
Gardner Colour	0.0 - 5.0
Acid Value (mg KOH/g)	0.0 - 10.0. At production 0.0 - 4.0, max. 10.0 during shelf life.
Free Fatty Acid (% oleic acid)	0.0 - 5.00. At production 0.0 - 2.0, max. 5.00 during shelf life.
Peroxide Value (mEq O ₂ /kg)	0.0 - 13.0. At production 0.0 - 5.0, max. 13.0 during shelf life.
Iodine Value (g/100g)	65.0 - 85.0
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 6.0 – 20.0 18:0 Stearic acid: 3.0 – 15.0 18:1 Oleic acid: 65.0 – 80.0 18:2 Linoleic acid: 2.0 – 10.0 20:0 Arachidic acid: 0.0 – 2.0 20:1 Eicosenoic (Gondoic) acid: 0.0 – 3.0
Solubility:	Soluble in cosmetics esters and vegetable oils; insoluble in water
Shelf Life/Retest:	30 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Soaps	Hand soap bars, liquid soap	15
Bath additives	Bath wash, after bath/moisturising oil	10/100
Facial skin care	Cleansing gel, facial serum, makeup primer	5
Hand & body care	Moisturising cream, hydration lotion, body massage	10/100
Hair care / Scalp care	Shampoo, conditioner, scalp mask, leave-in-lotion	5
Lip care	Lip balm, lip repair cream, lipstick	10

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

To prolong shelf life, store in dry and light protected locations at ambient temperatures.

Supply & Production Chain

Seed Origin/s: Zimbabwe (refer to CoA for specific location).

Manufacture & Locations: Manufactured in Europe. Cold-pressed and refined in ISO9001-, HACCP-, food-grade, FSSC22000- and GMP- certified facilities.

Laboratory Testing: Independent and accredited European laboratory. Testing performed in accordance with European Pharmacopoeia 10th Edition.

Date: 23 January 2025 | Version: 4.0

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