

ELULA KALAHARI MELON SEED OIL



Botanical & Traditional Context

As the name suggests, the kalahari melon is a wild fruit that originates from the southern African Kalahari desert. The melon is the biological predecessor to the common watermelon, and is relatively smaller in size and rounder in shape, with irregular pale and dark green scattered bands emanating from the fruit's stalk. Unlike the common watermelon, the bitter tasting pulp is yellow-green, and conceals numerous oil-rich brown seeds. The miracle of the kalahari melon is its ability to withstand the unrelenting heat and drought conditions offered by the Kalahari desert.

The San tribe, hunter-gatherers from southern Africa, relied on the critical nourishment provided by kalahari melons; while ancient Egyptians applied the oil to maintain a healthy appearance, and as an emollient in cosmetics formulations. The word 'elula' means to be or feel smooth in the southern African language of Xhosa, which is spoken in South Africa – one of our sourcing regions.

Product Name & Variant

Elula Kalahari Melon Seed Oil – Refined.

Ingredients

Contents: 100% *Citrullus lanatus* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: *Citrullus lanatus* Seed Oil

CAS No: 90244-99-8

EINECS No: 290-802-9

NMPA No: 006874-02065-2610

ABS/Nagoya: Compliant

REACH Status: Exempt - natural product

Key Application/s

Protection & recovery – barrier function (from xerotic skin)

Anti-pollution (from environmental stressors)

Skin microbiome – cleansing & anti-blemish/spots

Anti-oxidant.

Key Content

Generous linoleic acid, coupled with oleic, palmitic and stearic fatty acids

High γ -tocopherol

Significant β -sitosterol, campesterol and squalene.

Benefits

Skin oil - multiple applications

Anti-inflammatory

Vitamin E content

Highly efficient peroxyl-radical scavenging activity.



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APPROVED**



**100% GENUINE
PRODUCT**

Physiochemical Properties

Property	Refined
Physical state at 20°C	Liquid form. 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)	115.0 - 135.0
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 8.0 – 13.0 18:0 Stearic acid: 5.0 – 11.0 18:1 Oleic acid: 10.0 – 23.0 18:2 Linoleic acid 55.0 – 75.0 18:3 Alpha Linoleic acid: 0.0 – 1.0 20:0 Arachidic acid: 0.0 – 1.0
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)
Facial skin care	Facial cleansing gels, facial scrubs	10
Hand & body care	Creams & lotions, body massage oil, aromatherapy oil	25/100
Soaps	Hand soap bars, liquid soap	15
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.

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

Laboratory Testing: Independent and accredited EU laboratory. Testing done in accordance with European Pharmacopoeia 10th edition.

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