

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 and round, 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.

Researchers have traced the use of the seed oil back to the ancient Egyptians, who 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 & Variants

Elula Kalahari Melon Seed Oil – Unrefined
Elula Kalahari Melon Seed Oil – Refined.



Ingredients

Contents: 100% Citrullus lanatus seed oil.
Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: Citrullus Lanatus (Watermelon)
Seed Oil
CAS No: 90244-99-8
EINECS No: 290-802-9
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 peroxy-radical scavenging activity.

Physiochemical Properties

Property	Unrefined	Refined
Physical state at 20°C	Clear - pale colour, liquid form, with characteristic odour.	Clear-pale yellow colour, liquid form, with no-low odour.
Acid Value (mg KOH/g)	0.0 – 4.0	0.0 - 2.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 7.0	0.0 - 2.0
Saponification Value (mg KOH/kg)	180 – 200	
Unsaponifiable Matter (%)	0.0 – 1.0	
Iodine Value (g/100g)	120 - 135	
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 – 20.0
	18:2 Linoleic acid:	55.0 – 75.0
	18:3 Alpha Linolenic 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:	24 months	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: South Africa

Manufacture & Locations: Cold-pressed in Germany, and physically refined in European (refer CoA for specific location) ISO 9001-, HACCP–certified and food-grade facilities

Laboratory Testing: Independent and accredited EU laboratories.

Date: 20 Feb. 2019 | Version: 2.3

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