

WALA MORINGA SEED OIL



Botanical & Traditional Context

Scientists commonly refer to *Moringa Oleifera* (Moringa) as the 'miracle tree' due to the myriad of nutritional benefits offered by all parts of the plant.

The moringa pod (or fruit) is green, long and slender – usually 30cm-50cm in length. When opened, the highly prized brown-winged seeds are revealed, numbering between 5-20 per fruit.

Originating from India, the moringa plant is now a common part of Africa's smallholder farming landscape. Grown in various regions across Africa, moringa harvests from December to March in southern Africa, and June to September in the northern regions. The word 'wala' means to appear radiant or shine in the African language of Chichewa, which is spoken in Malawi – one of our sourcing regions.

Product Name & Variant

Wala Moringa Seed Oil – Refined.

Ingredients

Contents: 100% *Moringa oleifera* seed oil

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: *Moringa Oleifera* Seed Oil

CAS No: 93165-54-9

EINECS No: 296-941-1

NMPA No: 004231-02065-7302

ABS/Nagoya: Compliant

REACH Status: Exempt - natural product

Key Application/s

Skin microbiome:

- > Skin microflora rebalance
- > Cleansing and anti-blemish/spots

Anti-oxidant

Protection and recovery - barrier function.

Key Content

High oleic and meaningful behenic fatty acids

Relatively balanced α -, β -, and γ -tocopherol ratios

High levels of β -sitosterol, Δ^5 -avenasterol, and campesterol

Lipid soluble antioxidants.

Benefits

Stratum corneum integrity

Anti-oxidant

Anti-microbial.



**COSMOS
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)	60 - 80
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 4.0 – 10.0 18:0 Stearic acid: 4.0 – 8.0 18:1 Oleic acid: 65.0 – 85.0 18:2 Linoleic acid: 0.0 – 2.0 20:0 Arachidic acid: 2.0 – 5.0 20:1 Eicosenoic (Gadoleic) acid: 0.0 – 3.0 22:0 Behenic acid: 3.0 – 8.0
Solubility:	Soluble in cosmetics esters and Vegetable oils; insoluble in water.
Shelf Life/Retest:	36 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Facial skin cleansing	Cleansing gels and scrubs	5
Hand & body care	Moisturising creams, hydration lotions, body massage oils	10/100
Facial moisturisers	Creams and nano-emulsions	7
Hair care	Shampoo, conditioner, scalp mask, leave in lotions	5
Soaps	Hand soap bars, liquid soap	15

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

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

Supply & Production Chain

Seed Origin/s: Malawi or Kenya (Refer to CoA for exact origin).

Manufacture & Location: 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: 5.0

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