

TECHNICAL DATA SHEET
MORINGA SEED OIL – CONVENTIONAL

Revision: September 2026

1. PRODUCT IDENTIFICATION

Product Name	Moringa Seed Oil – Conventional
INCI Name	Moringa Oleifera Seed Oil
Botanical Name	Moringa oleifera
Plant Part Used	Seeds
Country of Origin	Malawi (seed); processed in South Africa
HS Code	1515.90
Recommended Use	Cosmetic and personal-care formulations

2. DESCRIPTION & FUNCTION

A light, clear, pale yellow African lipid oil obtained by cold pressing the seeds of Moringa oleifera. It has a mild nutty aroma, a silky texture and a high oleic-acid content, making it suitable as an emollient and conditioning ingredient in cosmetic and personal-care formulations.

3. PROCESSING

Extraction	Cold pressed
Further Treatment	Mechanical filtration only
Additives / Preservatives	None stated

4. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Light, clear liquid
Colour	Pale yellow
Odour	Mild nutty / slight characteristic
Specific Gravity (20°C)	0.900 – 0.920
Refractive Index (20°C)	1.458 – 1.470

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5. TYPICAL FATTY ACID PROFILE

Oleic Acid (C18:1)	65 – 75%
Palmitic Acid (C16:0)	5 – 10%
Stearic Acid (C18:0)	5 – 8%
Behenic Acid (C22:0)	6 – 9%
Arachidic Acid (C20:0)	2 – 4%
Linoleic Acid (C18:2)	1 – 3%
Unsaponifiables / Others	< 2%

Typical profile only; natural variation occurs between batches.

6. QUALITY PARAMETERS

Peroxide Value	Batch-specific; refer to current COA
Acid Value	Batch-specific; refer to current COA
Free Fatty Acids	Batch-specific; refer to current COA
Saponification Value	180 – 195 mg KOH/g
Iodine Value	65 – 75 g I ₂ /100 g

7. STORAGE & SHELF LIFE

Shelf life: 36 months from date of manufacture when stored in sealed original containers under recommended conditions. Store in a cool, dark place below 25°C, in airtight containers with minimal headspace to reduce oxidation.

8. CERTIFICATION & STATUS

Organic Status	Conventional
Certification	Not supplied as certified organic
GMO Status	Non-GMO / identity preserved as stated in source TDS
Allergen Status	See current product allergen declaration
Composition	100% plant-derived lipid oil; no synthetic ingredients stated

9. TRACEABILITY

Full batch traceability is maintained. A representative COA may be supplied for technical evaluation; commercial orders include the corresponding batch-specific COA.

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