

TECHNICAL DATA SHEET
KALAHARI MELON SEED OIL ORGANIC

Revision: September 2026

1. PRODUCT IDENTIFICATION

Product Name	Kalahari Melon Seed Oil – Organic
INCI Name	Citrullus Lanatus Seed Oil
Botanical Name	Citrullus lanatus
Plant Part Used	Seeds
Country of Origin	South Africa
HS Code	1515.90.59
Recommended Use	Cosmetic and personal-care formulations

2. DESCRIPTION & FUNCTION

A premium cold-pressed South African lipid oil obtained from Kalahari melon seeds. It is naturally rich in linoleic acid and is used as an emollient and skin-conditioning ingredient in cosmetic and personal-care formulations.

3. PROCESSING

Extraction	Cold pressed (mechanical extraction)
Further Treatment	Cold pressed, followed by two-stage filtration to remove residual seed material and polish the oil. No solvent extraction.
Additives / Preservatives	None

4. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear liquid
Colour	Clear, pale yellow
Odour	Mild, characteristic
Specific Gravity (20°C)	0.9218 (representative batch)
Refractive Index (20°C)	1.4742 (representative batch)

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5. TYPICAL FATTY ACID PROFILE

Linoleic Acid (C18:2)	68.9%
Oleic Acid (C18:1)	11.35%
Palmitic Acid (C16:0)	10.32%
Stearic Acid (C18:0)	7.61%
Other fatty acids	Balance

Typical profile only; natural variation occurs between batches.

6. QUALITY PARAMETERS

Peroxide Value	Batch-specific; refer to current COA
Acid Value / Free Fatty Acids	Batch-specific; refer to current COA

7. STORAGE & SHELF LIFE

Shelf life: 36 months from date of manufacture when stored in original unopened containers under recommended conditions. Store in a cool, dry place below 25°C, protected from direct light and heat.

8. CERTIFICATION & STATUS

Organic Status	Certified organic
Certification	Ecocert and Control Union
GMO Status	Non-GMO
Allergen Status	No known allergens
Composition	100% plant-derived lipid oil; no added preservatives

9. TRACEABILITY

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