



PRODUCT INCI NAME	Kalahari Melon (Citrullus lanatus [watermelon] seed) Oil
PLACE OF ORIGIN	Namibia
EXTRACTION METHOD	Cold or Screw press
PART OF PLANT	Seeds
CAS number	90244-99-8
EC number	290-802-9

KALAHARI MELON SEED OIL PROPERTIES

Kalahari Melon seed oil is the golden oil of Southern Africa. The Kalahari melon is highly adapted to surviving drought and the harsh light of the desert environment. Although found all over Southern Africa, it is most closely associated with the Kalahari sands of Namibia, Botswana, south-western Zambia and western Zimbabwe. It belongs to the botanical family of Cucurbitaceae.

The oil is colourless to very light yellow-green colour with a very subtle neutral odour.

Archaeological evidence suggests that the Kalahari melon has been used for over 4000 years. The San (Bushman) use the melon seed oil to moisturize their skin and encourage hair growth, while the pulp mixed with water is used as a sunblock. The rich yellow oil of Kalahari melon seeds has been used traditionally in Southern Africa as an ingredient in soap.

Oil Composition

Kalahari Melon Oil is a superb antioxidant, noncomedogenic, restorative skin care oil. Wildcrafted virgin cold pressed sun-dried seeds from small *Citrullus lanatus* watermelons are rich with Omega 3, 6, and 9 fatty acids. It has great moisturizing, regenerating and restructuring properties, thanks to its high content of essential fatty acids (50 to 70% linoleic acid), which are not synthesized by the body. They contribute to the integrity of the cell wall and the suppleness and beauty of the skin. Kalahari Melon plays a role in regulating the hydration and restructuring the epidermis.

Kalahari melon seed oil has similar levels of omega-6 essential fatty acid (68%) to evening primrose (72%), assuring anti-inflammatory properties, restoring skin elasticity and combating wrinkles. Because it dissolves excess sebum this oil is perfect for acne and blemish prone skin types. It is a good baby oil and can be used as a carrier oil. Lightweight yet highly moisturizing and emollient, Kalahari Melon Seed oil penetrates quickly leaving no greasy feel.

Kalahari melon oil contains a high level of γ -tocopherol (70.56 mg/100g), followed by α -tocopherol (25.94 mg/100g), which provide antioxidant properties as well as a reasonably good shelf life.

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Typical Properties

Acid Value	<5 mg KOH/g
Peroxide value	<7.5 meqO ₂ /kg
Specific gravity (20C°)	0.919-0.930
Refractive Index	1.463–1.475
Iodine value	120 - 130 I ₂ /100g
Saponification value	180 - 200mg KOH/kg

Fatty Acid Composition (Range of values)

Saturated fatty acids		Unsaturated fatty acids	
Palmitic acid (C16:0)	8-13%	Oleic acid (omega 9) (C18:1)	10-29%
Stearic acid (C18:0)	5-11%	Linoleic acid (omega 6) (C18:2)	55-70%
		α-linolenic acid (omega 3) (C18:3)	< 2%

Impresario Beauty Oils Specification

Acid Value	<3 mg KOH/g
Peroxide Value	<5 mEq/kg
Eschericia coli	Not detected
Mould	< 10 cfu/g
Yeast	< 10 cfu/g

APPLICATIONS

Kalahari Melon is used in body, hand, face and baby products. A light, penetrating, non-greasy, moisturising emollient oil. It is a good option for a carrier oil in Baby skin care formulations, aromatherapy, massage oils, bath oils, salt scrubs, facials, face cream, bath bombs and hair oils.

- Skin:
 - Absorbs into the skin very quickly, does not leave a greasy residue
 - Naturally cleanses, nourishes and hydrates skin
 - Highly efficient peroxy-radical scavenging activity
 - Does not clog pores and removes excess sebum from the surface of your skin
 - Excellent for all skin types, particularly suited to sensitive skin, because of the high Linoleic acid content (Can be used to replace commercial baby oil)
 - Promotes the rejuvenation and repair of skin cells

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- Hair:
 - Emollient oil for dry, damaged and fragile hair
 - Does not clog hair follicles and can extend colour protection
 - It is much less greasy; perhaps even the most grease-free oil option
- Lips: Ingredient for lip balms, lipsticks and other lip care products
- Aromatherapy: Great as a carrier for aromatherapy formulas

Can replace Olive, Argan, Coconut and Almond Oil

HEALTH AND SAFETY AND NON-GMO STATEMENT

- Ionization: Product did not undergo any ionizing treatment & does not contain any ingredient/additive treated by ionization.
- Pesticides: Product conforms with regulation 396/2005 EC and its last amendments.
- Heavy Metals: Product conforms with regulation 1881/2006 EC and its last amendments.
- Non-GMO: Raw materials were not subject to any Genetic Modifications.

CONTACT DETAIL

Gerhard van Wyk

Tel: +264 61 264 755

gerhard@impresariobeautyoils.com



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