

CERTIFICATE OF ANALYSIS

Organic certified & conventional Kalahari Melon Seed Oil

Updated version 05.01.2024

Product name:	Kalahari Melon Seed Oil
Botanical name:	Citrullus lanatus
INCI name:	Citrullus lanatus (Wild Watermelon) Seed Oil
	CAS # 90244-99-8
	EC # 290-802-9
Part used:	Seeds
Extraction method:	Cold pressed
Quality:	100% pure and natural

GENERAL PROPERTIES

PROPERTIES:	SPECIFICATIONS:	RESULTS:
Liquid:	at 25 °C	conforms
Color:	bright yellow liquid	conforms
Odor:	very low	conforms
Taste:	characteristic	conforms
Specific Gravity:	0.90 - 0.93	0.922
Iodine Value:	110 – 129 g/100g	119
Saponification:	170 – 180 mg (KOH/g)	178
Peroxide value mEq O ₂ /kg	<10.0	conforms
Acid value mg KOH/g	<6.0	conforms
mould and yeast count cfu/g	<100	conforms

NAMIB DESERT JOJOBA OIL PRODUCERS CC

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FATTY ACID COMPOSITION

FATTY ACID	C-CHAIN		SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0		8-13%	10.98
Palmitoleic Acid	C16:1	Omega 7	<1%	0.09
Stearic Acid	C18:0		5-11%	8.08
Oleic Acid	C18:1	Omega 9	10-20%	16.49
Linoleic Acid	C18:2	Omega 6	55-70%	62.3
Alpha-Linolenic Acid	C18:3	Omega 3	<2%	0.103

Kalahari Melon Oil (organic certified & conventional)

Very high content of linoleic acid **omega 6** (C18:2) **55-70%** which **improves the skin barrier function** reduces inflammation and **regulates sebum production**. It has a **balanced content** of palmitic acid **omega 7** (C16:0) and oleic acid **omega 9** (C18:1). It is a very **skin friendly oil** which is **absorbed very quickly** and is particularly suitable for **sensitive and mature skin**.

We recommend to use it in: facial serums, sport oils

STORAGE

Store in a cool, dry and well-ventilated place in the original sealed container in order to minimize contamination. Keep away from heat, direct sunlight, acids, oxidizing agents and all sources of ignition.

Organic certified and conventional Kalahari Melon Seed oil is very stable and has a shelf life of 18 months.

Cool temperatures result in coagulation of the fat molecules and appearance of “ghosts” in the oil. Slow and gentle reheating of the oil allows the “ghosts” to disappear.

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Namib Desert Jojoba Oil Producers cc provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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