

## **Mongongo Seed Oil - Technical Data Sheet**

### **Product Identification:**

Mongongo Seed Oil

Botanical Name:

Schinziophyton rautaneii

INCI Name:

Schinziophyton rautaneii Seed Oil

CAS# 68956-68-3

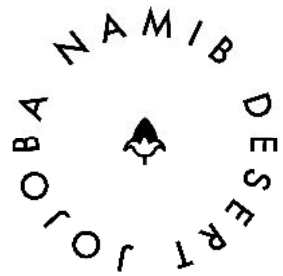
EINEC# 273-313-5

### **Application:**

The mongongo nuts are cold-pressed and the extracted oil is used in a range of skin and beauty products, including creams, lotions, cleanser, sun care products, lip balms, massage oil, body butters as well as hair care products like shampoos and conditioners.

The oil's moisturising and hydrating effect has been known in Africa for centuries. It contains huge amounts of vitamin E, unsaturated fatty acids, calcium, magnesium, zinc, copper and proteins. Because mongongo oil is a natural sunscreen, it also protects skin against the harsh desert environment.

Its anti inflammatory properties calm irritated skin, strengthen hair and provide enriching care for the scalp. Mongongo oil smoothes out fine lines, has restructuring properties and provides a radiant skin with a youthful complexion.



## General Properties:

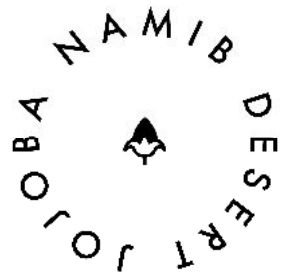
### Properties Appearance

Liquid:	at 25 °C
Color:	bright yellow when cold pressed
Odor:	very mild but distinctive
Taste:	distinctive
Specific Gravity:	0. 9-0. 95
Refractive Index:	1.49
Iodine Value:	130g/ 100g
Saponification:	192mg KOH/g
Total Bacteria:	<100 CFU/g
Yeast and Moulds:	<100 CFU/g

### Fatty Acid Composition

General: Saturated Fatty Acids on Average:	17%
Monounsaturated Fatty Acids on Average:	18%
Polyunsaturated Fatty Acids on Average:	43%

Palmitic acid	C16:0	8-9%
Palmitoleic Acid	C16:1	<1% (Omega 7)
Heptadecanoic Acid	C17:0	<1%
Stearic Acid	C18:0	7%
Oleic Acid	C18:1	17% (Omega 9)
Linoleic Acid	C18:2	37% (Omega 6)
Alpha Linoleic Acid	C18:3	27% (omega 3)
Arachic Acid	C20:0	<1%
Heicosenoc Acid	C20:1	<1%
Behenic Acid	C22:0	<1%



### **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.

Due to its very high  $\gamma$ -tocopherol content, the oil is very stable and has a shelf life of 2-3 years.

Cool temperatures may 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.

### **Company Identification:**

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