



DATA SHEET AND SPECIFICATIONS OF AURUM AFRICA MONGONGO OIL

SPECIFICATION

Product name:	Mongongo Oil
Botanical name:	<i>Schinziophyton rautaneii</i>
Part of the plant used: Seeds	INCI: <i>Schinziophyton rautaneii</i> kernel oil
Country of origin: Namibia from wild harvesting	Shelf life: 24 Months
Application: Cosmetics	Extraction process: cold pressed

PHYSICAL AND CHEMICAL PROPERTIES SPECIFICATION

Appearance	Liquid
Color	Bright yellow
Odor:	Characteristic
Specific Gravity:	0.9 - 0.95
Acid value	0,31±0,03 g/100 g (acido oleico)
Peroxid value	3,1±0,4 meq/kg (come O ₂)
Iodine Value:	120-131 g/100g
Saponification Index	184-189 mg KOH/g

FATTY ACID COMPOSITION

General	Saturated Fatty Acids on Average:	21%
	Monounsaturated Fatty Acids on Average:	24%
	Polyunsaturated Fatty Acids on Average:	54%
Palmitic Acid	C16:0	10-14%
Palmitoleic Acid	C16:1	< 1% (Omega 7)
Heptadecanoic Acid	C17:0	< 1%
Stearic Acid	C18:0	7-10%
Oleic Acid	C18:1	20-25% (Omega 9)
Linoleic Acid	C18:2	48-58% (Omega 6)
Alpha Linoleic Acid	C18:3	Traces (Omega 3)
Arachic Acid	C20:0	< 1%
Heicosenoc Acid	C20:1	< 1%
Behenic Acid	C22:0	Traces
Total omega 6		54,09 + 5,90%
Total Omega 3		0,09±0,04%

MICROBIOLOGY

Total Colony count	<10 CFU/1 g
Moulds Yeast	<10 CFU/1 g

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