

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS BABASSU OIL

#### DESCRIPTION

**Description:** BABASSU OIL, REFINED  
**Inci Name:** ORBIGNYA OLEIFERA OIL  
**Cas Nos:** 9107-89-21  
**Einecs No:** 293-376-2

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID (PALE YELLOW BUTTER @ LESS THAN 20°C)	Conforms
ODOUR	ODOURLESS	Conforms
COLOUR	LIGHT YELLOW	Conforms
COLOUR LOVIBOND (5¼" CELL)	≤ 20y, 3.5r	8.0Y, 1.1R
REFRACTIVE INDEX @ 40°C	1.440 – 1.465	1.452
FREE FATTY ACID (% AS OLEIC)	< 0.5	-
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0	5.0
IODINE VALUE	10.0 – 22.0	18.0
ACID VALUE	<1.0	0.08
SAPONIFICATION VALUE (MG KOH/GR)	245.0 – 256.0	248.0

FATTY ACID PROFILE	ACID NAME	RANGE %	RESULTS
C-CHAIN			
C8:0	CAPRYLIC ACID	2.6 – 11.0	4.7
C10:0	CAPRIC ACID	1.2 – 7.8	4.4
C12:0	LAURIC ACID	37.00 – 55.00	39.9
C14:0	MYRISTIC ACID	11.0 – 27.0	16.3
C16:0	PALMITIC	5.2 – 11.2	9.5
C18:0	STEARIC	1.7 – 11.0	6.6
C18:1	OLEIC	6.5 – 20.0	15.1
C18:2	LINOLEIC	1.4 – 6.7	2.8

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*Babassu Oil - COA*