

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS MORINGA OIL (UNREFINED)

#### DESCRIPTION

**Product:** Moringa Oil (Unrefined)  
**INCI Name:** Moringa Oleifera Seed Oil  
**CAS Number:** 93165-54-9  
**EINECS Number:** 296-941-1  
**Manufacturing Method:** Cold Pressed

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	Conforms
ODOUR	CHARACTERISTIC	Conforms
COLOUR	LIGHT YELLOW - GREEN	Conforms
REFRACTIVE INDEX @ 20°C	1.450 – 1.475	1.4679
SPECIFIC GRAVITY @ 20°C	0.905 – 0.975	0.9139
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	2.81
ACID VALUE	<25.0	1.79
IODINE VALUE	50 - 77	67.29

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	2.0 – 10.0	6.81
C16:1	PALMITOLEIC	0.50 – 5.0	2.15
C18:1	OLEIC	65.0 – 88.0	67.89
C18:2	LINOLEIC	<5.0	0.59
C18:3	ALPHA LINOLENIC	<25.0	7.21
C20:0	ARACHIDIC	0.5 – 7.0	-
C24:0	LIGNOCERIC	<6.0	-

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*Moringa Oil (Unrefined) - COA*