

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS PALM OIL (RAW/UNREFINED) FAIRLY TRADED (FOOD GRADE)

#### DESCRIPTION

**Product:** Palm Oil (Raw/Unrefined) Fairly Traded (Food grade)  
**INCI Name:** Elaeis Guineensis (Palm) Oil  
**CAS No:** 8002-75-3  
**EINECS No:** 232-316-1  
**Extraction Method:** Hand processed by cooperative in Ghana.

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE	RESULT
Colour	Red/Orange	Complies
Smell	Product specific, free from rancid and foreign smell	Complies
Taste	Product specific, free from rancid and foreign taste	Complies
Free Fatty Acid (% As Oleic)	≤ 5.0	4.60
Peroxide Value (Meq/kg)	≤ 5.0	0.60
Acid Value	≤ 3.0	2.3
Melting Point °C	30 – 37	35
Moisture and Impurities (%)	≤ 0.1	0.26
SFC @ 20°C	17 – 28	21
SFC @ 25°C	10 – 18	15
SFC @ 30°C	5 – 11	9
SFC @ 35°C	2 – 6	4
SFC @ 40°C	No Data	N/D

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	MYRISTIC	C14:0	≤ 2.0	1.2
	PALMITIC	C16:0	39.0 – 47.5	41.0
	STEARIC	C18:0	3.5 – 6.0	4.6
	OLEIC	C18:1	36 – 44	38
	LINOLEIC	C18:2	9.0 – 12.0	39
	OTHERS		≤ 2.0	0.6

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**Akoma International (UK) LTD**

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

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E-mail: [support@akoma.zendesk.com](mailto:support@akoma.zendesk.com)

*Palm Oil (Raw/Unrefined) Fairly Traded (Food grade) - COA*