

AKÖMA™

FROM THE HEART

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

DESCRIPTION

Product: Palm Oil (Raw/Unrefined) Fairly Traded
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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