

# AKÖMA™

## FROM THE HEART

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

#### DESCRIPTION

**Product:** Palm Kernel Oil Unrefined Fairly Traded (Food Grade)

**INCI Name:** Elaeis Guineensis Kernel Oil

#### CHARACTERISTICS

TYPICAL ANALYTICAL DETAILS	RESULTS
Appearance	Clear and bright when melted, solid at room temperature.
Colour	white to off white – beige
Smell	Product specific, free from rancid and foreign smell.
Taste	Product specific, free from rancid and foreign taste.
Colour Lovibond 5.25" Cell	Red 3.0 max Yellow 30.0 max
Specific Gravity @ 40°C/Water @ 20°C	0.899-0.914
Refractive Index @ 40°C	1.448 -1.452
Melting Point °C	26 - 30
Free Fatty Acid (% as oleic)	< 0.3
Iodine Value	12 - 21
Peroxide Value (Meq/kg)	< 5.0
Saponification Value (mg KOH/g)	230 – 257
Solid Fat content NMR 20°C	38 – 46%
25°C	12 – 23%
30°C	5.0 max%
35°C	0
TYPICAL NUTRITIONAL DETAILS: FAT	>99.85%
WATER	<0.15%
SATURATED FATTY ACIDS	71.5 – 98.4%
MONOUNSATURATED FATTY ACIDS	12.0 – 19.4%
POLYUNSATURATED FATTY ACIDS	1.0 – 3.7
TRANSFATTY ACIDS	<2.0%

**Akoma International (UK) LTD**

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

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

***Palm Kernel Oil Unrefined Fairly Traded (Food Grade) - COA***

Typical Fatty Acid Composition	Results
C6:0 Caproic acid	0 – 0.8
C8:0 Caprylic acid	2.4 – 6.2
C10:0 Capric acid	2.6 – 5.0
C12:0 Lauric acid	45.0 – 55.0
C14:0 Myristic acid	14.0 – 18.0
C16:0 Palmitic acid	6.5 – 10.0
C16:1 Palmitoleic acid	0 – 0.2
C18:0 Stearic acid	1.0 – 3.0
C18:1 Oleic acid	12.0 – 19.0
C18:2 Linoleic	1.0 – 3.5
C18:3 Linolenic	0 – 0.2
C20:0 Arachidic acid	0 – 0.2
C20:1 Gadoleic acid	0 – 0.2
C22:0 Behenic acid	0 – 0.2

**STORAGE:** In unopened container away from heat and light. 2-15°C optimum.

**SHELF LIFE:**

Recommended retest after 12 months storage.

We confirm this product is free from allergens according to current regulations, it is non-irradiated, suitable for coeliacs, vegans and vegetarians and is manufactured to GMP standards.

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