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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Palm Kernel Oil

Trade Name:	Palm Kernel Oil Refined	INCI Name:	<i>Elaeis Guineensis</i> (Palm) Oil
CAS No:	8002-75-3	EC No:	232-316-1
Country of Origin:	Papua New Guinea	Country of Manufacture:	UK
Manufactured:	September 2022	Shelf Life:	24 Months
Lot No:	105125	Application:	Cosmetics

Description:

The oil is obtained by expeller pressing from the fruits of the Palm Oil Tree, *Elaeis guineensis*, *Palmaceae*. It is then refined.

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance	Organoleptic	Solid oil turning into a bright clear liquid when warmed	Conforms
Colour	Organoleptic	White to pale yellow	Conforms
Odour	Organoleptic	Characteristic	Conforms
Free Fatty Acid (as Oleic)	%	≤ 0.20	0.057
Peroxide Value	meq O ₂ /kg	≤ 2.0	<0.01
Specific Gravity @ 20°C	g/ml	0.915 – 0.935	Conforms
Melting Point	°C	34 – 42	Conforms
Flash Point	Closed Cup	341°	Conforms

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Shelf Life: The shelf life is 24 months from the date of manufacture, if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure.