

TECHNICAL DATA SHEET

Product Name	PALM KERNEL OIL
Botanical Name	Elaeis guineensis
Product Code	PCO4071
CAS #	8023-79-8
EINECS #	232-425-4
INCI Name	Elaeis guineensis (Palm) Kernel oil

Part Used	Kernel
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	White to off-white solid, clear bright liquid when melted
Odour	Almost odourless
Refractive Index	1.448 - 1.452 @ 20°C
Specific Gravity (g/mL)	0.880 - 0.920 @ 20°C
Saponification Value (mgKOH/g)	230 - 257
Peroxide Value (meq O₂/kg)	Less than 1.0
Iodine Value (g I₂/100g)	12 - 21
Free Fatty Acids (% oleic)	Less than 0.3
Acid Value (mgKOH/g)	Less than 0.6
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Caprylic Acid	C8:0	2.40 – 6.20
Capric Acid	C10:0	2.60 – 5.00
Lauric Acid	C12:0	45.00 – 55.00
Myristic Acid	C14:0	14.00 – 18.00
Palmitic Acid	C16:0	6.50 – 10.00
Oleic Acid	C18:1 (n-9)	12.00 – 19.00
Linoleic Acid	C18:2 (n-6)	1.00 – 3.50

As it is electronically generated document, hence no signature required.

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