

TECHNICAL DATA SHEET

Product Name	COCONUT OIL, VIRGIN
Botanical Name	Cocos nucifera
Product Code	PCO4041
CAS #	8001-31-8
EINECS #	232-282-8
INCI Name	Cocos nucifera (Coconut) Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Off-white when solid; light yellow when in liquid form
Odour	Rich, buttery, characteristic coconut-like odour
Refractive Index	1.440 - 1.468 @ 20°C
Specific Gravity (g/mL)	0.920 - 0.927 @ 25°C
Saponification Value (mgKOH/g)	248 - 265
Peroxide Value (meq O₂/kg)	Less than 2
Iodine Value (g I₂/100g)	6 - 11;
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	3.00 – 15.00
Capric Acid	C10:0	3.00 – 9.00
Lauric Acid	C12:0	30.00 – 56.00
Myristic Acid	C14:0	12.00 – 22.00
Palmitic Acid	C16:0	3.00 – 12.00
Stearic Acid	C18:0	1.00 – 5.00
Oleic Acid	C18:1 (n-9)	3.00 – 10.00
Linoleic Acid	C18:2 (n-6)	Maximum 4.00

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

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