

TECHNICAL DATA SHEET

Product Name	SPONGE GOURD SEED OIL
Botanical Name	Luffa aegyptiaca syn L. cylindrica
Product Code	PCO4110
INCI Name	Lufa cylindrica Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden brown colored liquid
Odour	Characteristic mild odour
Refractive Index	1.450 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	180 - 205
Iodine Value (g I₂/100g)	90 - 120
Peroxide Value (meq O₂/kg)	Less than 5.0
Acid Value (mgKOH/g)	Less than 1.0
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	10.00 – 15.00
Stearic Acid	C18:0	4.00 – 8.00
Oleic Acid	C18:1 (n-9)	25.00 – 32.00
Linoleic Acid	C18:2 (n-6)	42.00 – 56.00

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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

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