

TECHNICAL DATA SHEET

Product Name	BITTER GOURD OIL
Botanical Name	Momordica charantia
Product Code	PCO4107
INCI Name	Momordica Charantia (Bitter Gourd) 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 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	160 - 190
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	90 - 120
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	2.00 – 4.00
Stearic Acid	C18:0	20.00 – 35.00
Oleic Acid	C18:1 (n-9)	3.00 – 9.00
Linoleic Acid	C18:2 (n-6)	7.00 – 30.00
Alpha-Eleostearic Acid	C18:3 (9Z,11E,13E)	50.00 – 65.00

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