

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>WATERMELON SEED OIL</b>
<b>Botanical Name</b>	Citrullus vulgaris
<b>Product Code</b>	PCO4057
<b>CAS #</b>	90244-99-8
<b>EINECS#</b>	290-802-9
<b>INCI Name</b>	Citrullus Vulgaris (Watermelon) Seed Oil

<b>Part Used</b>	Seeds
<b>Extraction Method</b>	Cold Pressed
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Pale yellow to golden colored liquid
<b>Odour</b>	Characteristic neutral odour
<b>Refractive Index</b>	1.470 - 1.480 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.900 - 0.950 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	188 - 198
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	120 - 135
<b>Acid Value (mgKOH/g)</b>	Less than 2.0
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water

### FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
<b>Palmitic Acid</b>	C16:0	8.00 – 13.00
<b>Palmitoleic Acid</b>	C16:1 (n-7)	Maximum 1.00
<b>Stearic Acid</b>	C18:0	1.50 – 5.50
<b>Oleic Acid</b>	C18:1 (n-9)	21.00 – 32.00
<b>Linoleic Acid</b>	C18:2 (n-6)	55.00 – 65.00
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	Maximum 1.00

### 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.

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