

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>POMEGRANATE SEED OIL</b>
<b>Botanical Name</b>	Punica granatum
<b>Product Code</b>	PCO4026
<b>CAS #</b>	84961-57-9
<b>EINECS #</b>	284-646-0
<b>INCI Name</b>	Punica granatum (Pomegranate) 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 yellow colored liquid
<b>Odour</b>	Very mild nutty/seed-like, fatty odour
<b>Refractive Index</b>	1.513 - 1.525 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.920 - 0.960 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	182 - 192
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 8.0
<b>Free Fatty Acids (% oleic)</b>	Less than 2.0
<b>Acid Value (mgKOH/g)</b>	Less than 4.0
<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	1.00 – 4.00
<b>Stearic Acid</b>	C18:0	1.00 – 3.00
<b>Oleic Acid</b>	C18:1 (n-9)	3.00 – 7.00
<b>Linoleic Acid</b>	C18:2 (n-6)	4.00 – 8.00
<b>Punicic Acid</b>	C18:3 (n-5)	70.00 – 85.00

### 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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