

### TECHNICAL DATA SHEET

<b>Product Name</b>	<b>SAFFLOWER OIL</b>
<b>Botanical Name</b>	Carthamus tinctorius
<b>Product Code</b>	PCO4046
<b>CAS #</b>	8001-23-8
<b>EINECS #</b>	232-276-5
<b>INCI Name</b>	Carthamus tinctorius (Safflower) 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>	Golden yellow colored liquid
<b>Odour</b>	Characteristic bland odour
<b>Refractive Index</b>	1.467 - 1.469 @ 40°C
<b>Specific Gravity (g/mL)</b>	0.915 - 0.920 @ 30°C
<b>Moisture and Insoluble Impurities (%)</b>	Maximum 0.1
<b>Saponification Value (mgKOH/g)</b>	180 - 196
<b>Unsaponifiable Matter (%)</b>	Maximum 1.0
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	135 - 148
<b>Acid Value (mgKOH/g)</b>	Less than 0.5
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water

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