

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>SESAME OIL</b>
<b>Botanical Name</b>	Sesamum indicum
<b>Product Code</b>	PCO4017
<b>CAS #</b>	8008-74-0
<b>EINECS #</b>	232-370-6
<b>INCI Name</b>	Sesamum indicum (Sesame) 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>	Nearly odorless
<b>Refractive Index</b>	1.472 - 1.476 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.915 - 0.925 @ 25°C
<b>Saponification Value (mgKOH/g)</b>	188 - 195
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	104 - 120
<b>Free Fatty Acids (% oleic)</b>	Less than 0.2
<b>Acid Value (mgKOH/g)</b>	Less than 0.5
<b>Solubility</b>	Soluble in alcohols 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	7.00 – 12.00
<b>Stearic Acid</b>	C18:0	3.60 – 6.00
<b>Oleic Acid</b>	C18:1 (n-9)	35.00 – 60.00
<b>Linoleic Acid</b>	C18:2 (n-6)	35.00 – 50.00
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	Maximum 1.00

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

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