

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>WALNUT OIL</b>
<b>Botanical Name</b>	Juglans regia
<b>Product Code</b>	PCO4044
<b>CAS #</b>	8024-09-07 ; 84012-43-1
<b>EINECS #</b>	281-688-1
<b>INCI Name</b>	Juglans regia Seed Oil

<b>Part Used</b>	Nuts
<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>	Nutty, characteristic walnut-like odour
<b>Refractive Index</b>	1.469 - 1.478 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.920 - 0.930 @ 20°C
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	147 - 157
<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	6.00 – 9.00
<b>Palmitoleic Acid</b>	C16:1 (n-7)	0.00 – 1.00
<b>Stearic Acid</b>	C18:0	1.00 – 3.00
<b>Oleic Acid</b>	C18:1 (n-9)	13.00 – 21.00
<b>Linoleic Acid</b>	C18:2 (n-6)	54.00 – 65.00
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	6.00 – 15.00

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

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