

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>WHEAT GERM OIL</b>
<b>Botanical Name</b>	Triticum aestivum
<b>Product Code</b>	PCO4023
<b>CAS #</b>	84012-44-2 ; 68917-73-7
<b>EINECS #</b>	281-689-7
<b>INCI Name</b>	Triticum vulgare (Wheat) Germ Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Light yellow to golden yellow colored liquid
<b>Odour</b>	Slight, characteristic wheat-like odour
<b>Refractive Index</b>	1.469 - 1.479 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.915 - 0.930 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	180 - 195
<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 - 140
<b>Free Fatty Acids (% oleic)</b>	Less than 2.0
<b>Acid Value (mgKOH/g)</b>	Less than 5.0
<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	11.00 – 18.00
<b>Palmitoleic Acid</b>	C16:1 (n-7)	Maximum 0.50
<b>Stearic Acid</b>	C18:0	Maximum 3.0
<b>Oleic Acid</b>	C18:1 (n-9)	15.00 – 25.00
<b>Linoleic Acid</b>	C18:2 (n-6)	55.00 – 65.00
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	2.00 – 8.00

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

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