

TECHNICAL DATA SHEET

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

Part Used	Germ
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Light yellow to golden yellow colored liquid
Odour	Slight, characteristic wheat-like odour
Refractive Index	1.469 - 1.479 @ 20°C
Specific Gravity (g/mL)	0.915 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	180 - 195
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	120 - 140
Free Fatty Acids (% oleic)	Less than 2.0
Acid Value (mgKOH/g)	Less than 5.0
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	11.00 – 18.00
Palmitoleic Acid	C16:1 (n-7)	Maximum 0.50
Stearic Acid	C18:0	Maximum 3.0
Oleic Acid	C18:1 (n-9)	15.00 – 25.00
Linoleic Acid	C18:2 (n-6)	55.00 – 65.00
Alpha-Linolenic Acid	C18:3 (n-3)	2.00 – 8.00

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

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