

TECHNICAL DATA SHEET

Product Name	BORAGE SEED OIL
Botanical Name	Borago officinalis
Product Code	PCO4047
CAS #	84012-16-8 ; 225234-12-8
EINECS #	281-661-4
INCI Name	Borago officinalis (Borage) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to greenish yellow colored liquid
Odour	Natural, characteristic odour
Refractive Index	1.470 - 1.500 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.935 @ 20°C
Saponification Value (mgKOH/g)	185 - 195
Peroxide Value (meq O₂/kg)	Less than 8.0
Iodine Value (g I₂/100g)	125 - 160
Free Fatty Acids (% oleic)	Less than 2.0
Acid Value (mgKOH/g)	Less than 4.0
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	9.00 – 12.00
Palmitoleic Acid	C16:1 (n-7)	Maximum 0.60
Stearic Acid	C18:0	3.00 – 5.50
Oleic Acid	C18:1 (n-9)	15.00 – 20.00
Linoleic Acid	C18:2 (n-6)	30.00 – 45.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 0.50
Gamma-Linolenic Acid	C18:3 (n-6)	Minimum 20.0

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

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