

TECHNICAL DATA SHEET

Product Name	BILBERRY SEED OIL
Botanical Name	Vaccinium myrtillus
Product Code	PCO4125
CAS #	84082-34-8
EINECS #	281-983-5
INCI Name	Vaccinium myrtillus (Bilberry) Seed Oil

Part Used	Seeds
Extraction Method	Supercritical CO2 Extraction
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored liquid
Odour	Characteristic odour
Refractive Index	1.450 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	170 - 205
Peroxide Value (meq O₂/kg)	Less than 10.0
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	1.00 – 5.00
Palmitoleic Acid	C16:1 (n-7)	Maximum 1.0
Stearic Acid	C18:0	1.00 – 3.00
Oleic Acid	C18:1 (n-9)	15.00 – 30.00
Linoleic Acid	C18:2 (n-6)	30.00 – 42.00
Alpha-Linolenic Acid	C18:3 (n-3)	30.00 – 44.00

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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

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