

TECHNICAL DATA SHEET

Product Name	CRANBERRY SEED OIL
Botanical Name	Vaccinium macrocarpon
Product Code	PCO4065
CAS #	91770-88-6
EINECS #	294-875-8
INCI Name	Vaccinium macrocarpon (Cranberry) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Greenish gold colored liquid
Odour	Natural fruity, slight vanilla odour
Refractive Index	1.465 - 1.485 @ 20°C
Specific Gravity (g/mL)	0.915 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	150 - 190
Peroxide Value (meq O₂/kg)	Less than 1.5
Iodine Value (g I₂/100g)	165 - 185
Free Fatty Acids (% oleic)	Less than 1.0
Acid Value (mgKOH/g)	Less than 3.0
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	4.00 – 6.00
Stearic Acid	C18:0	Maximum 2.00
Oleic Acid	C18:1 (n-9)	20.00 – 24.00
Linoleic Acid	C18:2 (n-6)	32.00 – 42.00
Alpha-Linolenic Acid	C18:3 (n-3)	30.00 – 35.00

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

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