

TECHNICAL DATA SHEET

Product Name	LINGONBERRY SEED OIL
Botanical Name	Vaccinium vitis-idaea
Product Code	PCO4117
INCI Name	Vaccinium vitis-idaea Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored liquid
Odour	Characteristic mild odour
Refractive Index	1.460 - 1.485 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	150 - 190
Free Fatty Acids (% oleic)	Less than 1.5
Acid Value (mgKOH/g)	Less than 3.0
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	3.00 – 6.00
Stearic Acid	C18:0	Maximum 2.00
Oleic Acid	C18:1 (n-9)	12.00 – 18.00
Linoleic Acid	C18:2 (n-6)	30.00 – 40.00
Alpha-Linolenic Acid	C18:3 (n-3)	40.00 – 48.00

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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