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## Certificate of Analysis Blueberry Seed Oil Natural

<b>Trade Name:</b>		<b>Inci Name:</b>	<i>Vaccinium Corymbosum</i> (Blueberry) Seed Oil
<b>Cas No:</b>		<b>Einecs No:</b>	n/a
<b>Country of Origin:</b>	Canada	<b>Country of Manufacture:</b>	EU
<b>Manufactured:</b>		<b>Shelf Life:</b>	12 Months
<b>Lot No:</b>	87399	<b>Application:</b>	Food / Cosmetics

### Description:

The oil is obtained by cold pressing the seeds of the Blueberry, *Vaccinium corymbosum* L., *Ericaceae*

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance	Organoleptic	Clear liquid	Conforms
Colour	Organoleptic	Dark yellow to green	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.470 - 1.490	1.479
Specific Gravity @ 20°C	g/ml	0.915 - 0.940	0.926
Acid Value	mg KOH/g	≤ 7.2	1.01
Free Fatty Acid (as Oleic)	%	≤ 3.6	0.51
Peroxide Value	meq O <sub>2</sub> /kg	≤ 23.0	0.73
Saponification Value	mg KOH/g	170 - 220	202.1
Iodine Value	mg/g	139 - 176	161.5
Flash Point (Closed Cup)	°C	>100°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:1	Palmitoleic	%	3 - 7.5	5.3
C18:0	Stearic	%	0.6 – 6	1.86
C18:1	Oleic	%	16 - 25	18.58
C18:2	Linoleic	%	41 - 57	48.11
C18:3	α-Linolenic	%	16 - 27	21.06

**Storage:** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

**Shelf Life:** The shelf life is 12 months if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure. Any remaining oil should be blanketed with nitrogen and used as soon as possible.