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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: BLUEBERRY SEED OIL, COLD PRESSED**

**LOT NUMBER: LOT0003824**

PRODUCT INCI: VACCINIUM ANGUSTIFOLIUM (BLUEBERRY) SEED OIL

PRODUCT CODE: K0547

CAS NUMBER: 3817-18-28-1

EINECS NUMBER: 284-554-0

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 09/08/2019

BEST BEFORE DATE: 09/02/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	GREEN – DARK GREEN	-
ODOUR	CHARACTERISITC	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.920
REFRACTIVE INDEX @ 20°C	1.475 – 1.490	1.482
ACID VALUE	<8.0	4.0
IODINE VALUE	165.0 – 195.0	180.0
PEROXIDE VALUE	<55.0	4.3
FREE FATTY ACID	<4.0	3.7

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	2.0 – 6.0	5.7
C16:1	PALMITOLEIC	<0.5	0.25
C18:0	STEARIC	<4.0	2.1
C18:1	OLEIC	8.0 – 15.0	11.5
C18:2	LINOLEIC	44.0 – 55.0	48.0
C18:3	GAMMA LINOLENIC	<0.5	0.25
C20:0	ARACHIDIC	<3.0	0.1
C22:0	BEHENIC	<0.5	0.3
C24:0	LIGNOCERIC	<0.5	0.25