

## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: LOT0002385**

PRODUCT INCI: VACCINIUM MARCOCARPON OIL

PRODUCT CODE: K0165

CAS NUMBER: 91770-86-6

EINECS NUMBER: 294-875-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 05/02/2019

BEST BEFORE DATE: 05/02/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	GREEN – DARK GREEN	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.915 – 0.930	0.923
SAPONIFICATION VALUE	180.0 – 200.0	190.0
ACID VALUE	<10.0	5.0
IODINE VALUE	149.0 – 188.0	169
PEROXIDE VALUE	<20.0	9.33
FREE FATTY ACID	<5.0	0.77

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	3.0 – 6.0	-
C16:1	PALMITOLEIC	<0.5	-
C18:0	STEARIC	0.5 - 2.0	-
C18:1	OLEIC	22.0 – 26.0	24.0
C18:2	LINOLEIC	30.0 – 38.0	34.33
C18:3	GAMMA LINOLENIC	30.0 – 38.0	30.0
C21:1	ICOSENOIC	<1.0	-
C24:0	TETRACOSANOIC	<1.0	-