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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: SEABUCKTHORN FRUIT PULP, COLD PRESSED**

**LOT NUMBER: LOT0006406**

**PRODUCT INCI: HIPPOPHAE RHAMNOIDES FRUIT OIL**

**PRODUCT CODE: K0414**

**CAS NUMBER: 225234-03-7**

**EINECS NUMBER: 290-292-8**

**MANUFACTURING METHOD: COLD PRESSED**

**MANUFACTURING DATE: 22/04/2020**

**BEST BEFORE DATE: 22/09/2021**

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	ORANGE – DARK ORANGE - RED	-
ODOUR	CHARACTERISTIC	-
REFRACTIVE INDEX @ 20°C	1.420 – 1.510	1.470
SPECIFIC GRAVITY @ 20°C	0.900 – 0.940	0.920
FREE FATTY ACID (% AS OLEIC)	<10.0	0.21
IODINE VALUE	30.0 – 110.0	70.0
PEROXIDE VALUE	<20.0	2.1
ACID VALUE	<20.0	0.46
SAPONIFICATION VALUE	145.0 – 210.0	-

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	6.0 – 20.0	7.2
C16:1	PALMITOLEIC	>17.5	-
C18:0	STEARIC	<7.0	3.8
C18:1	OLEIC	> 15.0	22.3
C18:2	LINOLEIC	30.0 – 60.0	60.0
C18:3	ALPHA LINOLENIC	<10.0	8.8