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## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: LOT0008342**

**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: 30/09/2020**

**BEST BEFORE DATE: 30/03/2022**

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE		OILY LIQUID	-
COLOUR		ORANGE – DARK ORANGE - RED	-
ODOUR		CHARACTERISTIC	-
REFRACTIVE INDEX @ 20°C		1.420 – 1.510	1.472
SPECIFIC GRAVITY @ 20°C		0.900 – 0.940	0.919
FREE FATTY ACID (% AS OLEIC)		<10.0	0.21
IODINE VALUE		30.0 – 110.0	70.2
PEROXIDE VALUE		<20.0	1.6
ACID VALUE		<20.0	0.34
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	7.12
C16:1	PALMITOLEIC	>17.5	-
C18:0	STEARIC	<7.0	4.11
C18:1	OLEIC	> 15.0	24.82
C18:2	LINOLEIC	30.0 – 60.0	56.37
C18:3	ALPHA LINOLENIC	<10.0	6.48