

## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: LOT0005407**

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: 23/01/2020

BEST BEFORE DATE: 23/07/2021

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	0.2
ACID VALUE	<20.0	0.75
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	6.9
C16:1	PALMITOLEIC	>17.5	-
C18:0	STEARIC	<7.0	2.27
C18:1	OLEIC	> 15.0	28.42
C18:2	LINOLEIC	30.0 – 60.0	56.48
C18:3	ALPHA LINOLENIC	<7.0	5.39