

Gracefruit Ltd  
 209 Glasgow Road  
 Longcroft  
 Bonnybridge  
 FK4 1QQ

## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: LOT0001185**

PRODUCT INCI: HIPPOPHAE RHAMNOIDES FRUIT

PRODUCT CODE: K0414

CAS NUMBER: 225234-03-7

EINECS NUMBER: 290-292-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 29/08/18

BEST BEFORE DATE: 29/08/20

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	5.0
IODINE VALUE	30.0 – 110.0	70.0
PEROXIDE VALUE	<20.0	0.9
ACID VALUE	<20.0	0.3
SAPONIFICATION VALUE	145.0 – 210.0	-

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C14:0	MYRISTIC	<1.5	-
C16:0	PALMITIC	10.0 – 40.0	11.0
C16:1	PALMITOLEIC	>17.5	0.1
C18:0	STEARIC	<7.0	1.9
C18:1	OLEIC	18.0 – 32.0	30.4
C18:2	LINOLEIC	4.0 – 32.0	29.8
C18:3	ALPHA LINOLENIC	<5.0	1.7