

# Gracefruit Ltd

146 Glasgow Road, Longcroft, Stirlingshire, FK4 1QL

[www.gracefruit.com](http://www.gracefruit.com)

VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368



## **CERTIFICATE OF ANALYSIS** **SEA BUCKTHORN OIL**

Customer:	Gracefruit Limited	Order No:	-
Quantity:	1 x 25 kilos drum	Batch No:	KMO3526
Date:	15.8.2014	Code No:	-

**Appearance:** A clear liquid.  
**Colour:** Brown yellow to red brown.  
**Odour:** Characteristic.

TEST	SPECIFICATION	ANALYSIS
Specific Gravity @ 20°C	0.910 – 0.940	0.919
Refractive Index @ 20°C	1.450 – 1.480	1.475
Free Fatty Acid Value (% as oleic)	10.0 maximum	Complies
Iodine Value (calc)	30 - 100	Complies
Peroxide Value (meq/kg)	10.0 maximum	Complies
Saponification Value	130 - 200	Complies
Unsaponifiable Matter	1.0 maximum	Complies
Acid Value	20.0 maximum	Complies
Flash Point (°C)	200 minimum	Complies

FATTY ACID COMPOSITION (%)		
C16:0 Palmitic	20 - 35	28.18
C16:1 Palmitoleic	15 - 32	19.28
C18:0 Stearic	4.0 maximum	1.81
C18:1 Oleic	21 - 32	28.03
C18:2 Linoleic	8 - 25	21.94
C18:3 Alpha Linolenic	4.0 maximum	1.72

**Date of Manufacture:** August 2014  
**Date of Expiry:** August 2016

This COA is produced electronically therefore no signature is required.