

# 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

Description: Safflower Oil, CP, Organic

Lot No: 115208

Inci Name: Carthamus Tinctorius (Safflower) Seed Oil

Cas No: 8001-23-8

Einecs No: 232-276-5

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear	Complies
TASTE	Characteristic	Complies
COLOUR	Orange	Complies
ODOUR	Characteristic	Complies
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.918
REFRACTIVE INDEX @ 20°C	1.460 – 1.479	1.472
ACID VALUE	≤ 10.0	0.37
IODINE VALUE (CALC)	136 - 152	145.7
PEROXIDE VALUE (Meq / kg)	≤ 20.0	3.0
UNSATURATED MATTER	≤ 2.0	0.61
SAPONIFICATION VALUE	180 - 200	194.0

	ACID NAME	C-CHAIN	RANGE	RESULT
<b>FATTY ACID PROFILE (MAJOR ACIDS)</b>	MYRISTIC	C14:0	≤ 0.2	0.09
	PALMITIC	C16:0	4.0 – 10.0	6.17
	STEARIC	C18:0	1.0 – 5.0	3.26
	OLEIC	C18:1	8.0 – 21.0	14.25
	LINOLEIC	C18:2	68.0 – 83.0	75.08
	ALPHA LINOLENIC	C18:3	≤ 0.5	0.14
	ICOSANOIC	C20:0	≤ 0.5	0.35
	ICOSENOIC	C20:1	≤ 0.5	0.20
	DOCOSANOIC	C22:0	≤ 1.0	0.19
	OTHERS		≤ 1.0	0.26

Date Produced: April 2015

Best Before: April 2017

R00364  
05/05/2015