

**Certificate of Analysis**  
**Gracefruit Ltd146**  
**Glasgow Road,**  
**Longcroft,**  
**Stirlingshire,**  
**FK4 1QL**  
**www.gracefruit.com**  
**VAT Number: 935**  
**8115 14**  
**EORI Number:**  
**GB9358 1151 4000**  
**Company Number:**  
**SC374368**

Raw Material Code:	R00364	Product Description:	Safflower Oil, CP, Organic
INCI Name:	Carthamus Tinctorius Seed Oil		
EINECS Number:	232-276-5	CAS Number:	8001-23-8
Date of Production:	February-2015	Best Before:	February-2017
Lot Number:	L000133601	Retest Date:	-

Analytical Details	Result
Appearance	Clear orange liquid
Odour	Characteristic
Specific Gravity @ 20°C	0.92
Refractive Index @ 20°C	1.472
FFA (as Oleic)	0.27
Peroxide Value	5.4
Saponification Value	193.2
Unsaponifiable Matter	0.56
Iodine Value	145.8
Acid Value	0.54

Myristic Acid	C14:0	0.1
Palmitic Acid	C16:0	6.11
Stearic Acid	C18:0	3.29
Oleic Acid	C18:1	12.75
Linoleic Acid	C18:2	76.51
Alpha Linolenic Acid	C18:3	0.25
Arachidic Acid	C20:0	0.23
Eicosenoic Acid	C20:1	0.2
Behenic Acid	C22:0	0.29