

Gracefruit Ltd

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VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368



Certificate of Analysis

Description: Safflower Oil, CP, Organic

Lot No: 84454

Inci Name: Carthamus Tinctorius (Safflower) Seed Oil

Cas No: 8001-26-6

Einecs No: 232-273-9

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear	Complies
TASTE	Characteristic	Complies
COLOUR	Orange	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 34 y, 3.3 r	7.3Y, 0.7R
ODOUR	Characteristic	Complies
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.918
FREE FATTY ACID (% AS OLEIC)	≤ 2.0	0.41
IODINE VALUE (CALC)	136 - 148	145.3
PEROXIDE VALUE (Meq / kg)	≤ 10.0	7.3
UNSATURATED MATTER	≤ 2.0	0.80
SAPONIFICATION VALUE	180 - 200	193
MOISTURE (%)	0.1	N/D
P.A.H. (benzo(a)pyrene) (µg/kg)	≤ 2.0	N/D
HEAVY METALIS (PPM)	According to EU Legislation	Complies
INSECTICIDES	According to EU Legislation	Complies
PESTICIDES	According to EU Legislation	Complies
DIOXIDES	According to EU Legislation	Complies

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	MYRISTIC	C14:0	≤ 0.2	≤ 0.11
	PALMITIC	C16:0	5.3 – 8.0	7.50
	PALMITOLEIC	C16:1	≤ 0.2	≤ 0.12
	STEARIC	C18:0	1.9 – 2.9	2.31
	OLEIC	C18:1	8.4 – 21.3	13.62
	LINOLEIC	C18:2	67.8 – 83.2	75.16
	ALPHA LINOLENIC	C18:3	≤ 0.1	0.11
	ICOSANOIC	C20:0	0.2 – 0.4	0.17
	ICOSENOIC	C20:1	0.1 - 0.3	0.23
	DOCOSANOIC	C22:0	≤ 1.0	≤ 1.0
	DOCOSENOIC	C22:1	≤ 1.8	≤ 1.8
	OTHERS		≤ 1.0	≤ 1.0

Date Produced: September 2013

Best Before: September 2015

R00364
12/11/2014