

Gracefruit Limited  
 209 Glasgow Road  
 Longcroft  
 Bonnybridge  
 FK4 1QQ

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: CAMELINA OIL, COLD PRESSED

LOT NUMBER: LOT0000989

PRODUCT INCI: CAMELINA SATIVA OIL

PRODUCT CODE: K0086

CAS NUMBER: 943248-37-1

EINECS NUMBER: NOT APPLICABLE.

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 29/12/18

BEST BEFORE DATE: 30/12/20

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	DARK AMBER - YELLOW	-
COLOUR (LOVIBOND 5.25" CELL)	<15Y, 3R	13Y, 1.6R
REFRACTIVE INDEX @ 20°C	1.470 – 1.480	1.475
SPECIFIC GRAVITY @ 20°C	0.920 – 0.950	0.935
FREE FATTY ACIDS (% AS OLEIC)	<5.0	2.5
ACID VALUE	<10.0	1.2
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	1.2
IODINE VALUE	140.0 – 185.0	162.5
SAPONIFICATION VALUE	180.0 – 220.0	200.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 6.0	5.8
C16:1	PALMITOLEIC	<0.5	-
C18:0	STEARIC	2.0 - 5.0	3.9
C18:1	OLEIC	14.0 – 20.0	20.4
C18:2	LINOLEIC	16.0 – 25.0	23.1
C18:3	LINOLENIC	30.0 - 45.0	36.9
C20:0	ICOSANOIC	<3.0	2.8
C20:1	ICOSENOIC	10.0 – 16.0	-
C22:0	BEHENIC	<1.0	0.8

C22:1	DOCOSENOIC	1.0 – 8.0	6.4
C24:0	LIGNOCERIC	<1.5	-