

# Certificate of Analysis

## Gracefruit Ltd

Raw Material Code: R00166

Product Description: Evening Primrose Oil, Refined

INCI Name: Oenothera Biennis Oil

EINECS Number: 289-859-2

CAS Number: 90028-66-3

Date of Production: April-2016

Best Before: April-2018

Lot Number: L000180459

Retest Date: -

Analytical Details	Result
Appearance	Clear pale yellow oil
Odour	Characteristic
Specific Gravity @ 20°C	0.922
Refractive index at 20°C	1.478
Peroxide value	0.7
Saponification Value	191
Unsaponifiable Matter (%)	1
Colour (Gardner)	4
Acid Value	0.38
BENZO (A) PYRENE (ug/kg)	<10.0
Anisidine Value	5
Sum of Dioxins and Furans (as WHO-PCDD/F-TEQ/G) (PG/G)	0.75
Sum of Dioxins , Furans, Dioxin-like PCB's (WHO-PCDD/F-PCB-TEQ/G) (PG/G)	<1.25
Sum of B(a)P, B(a)A, B(a)F and Chrysene	<0.1
SALMONELLA (CFU/G)	Absent
YEAST & MOULDS (CFU/G)	<10
Total Viable Count or Total Plate Count (cfu/g)	<100
E. COLI (CFU/G)	Absent
STAPHYLOCOCCUS AUREUS (CFU/G)	Absent

Palmitic Acid	C16:0	6
Stearic Acid	C18:0	1.8
Oleic Acid	C18:1	6.9
Linoleic Acid	C18:2	74.3
Gamma Linolenic Acid	C18:3	9.2