

Certificate of Analysis

Gracefruit Limited
209 Glasgow Road
Longcroft
Bonnybridge
FK4 1QQ

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:	July-2016	Best Before:	21-September-2018
Lot Number:	L000189820_SL	Retested date:	05 February 2018

Shelf Life Extended by Rancimat, no other parameters tested

Analytical Details	Result
Appearance	Clear pale yellow oil
Odour	Characteristic
Specific Gravity @ 20°C	0.927
Refractive Index @ 20°C	1.477
Peroxide Value (MeqO ₂ /kg)	1.8
Saponification Value	191
Unsaponifiable Matter	0.8
Colour (Gardner)	3.8
Acid Value (mg KOH/g)	0.4
Benzo (A) Pyrene (µg/kg)	0.9
Anisidine Value	3
Sum of Dioxins and Furans (as WHO-PCDD/F-TEQ/G) ¹ (PG/G)	0.4
Sum of Dioxins, Furans, Dioxin-like PCB's (WHO-PCDD/F-PCB-TEQ/G) ¹ (PG/G)	0.65
Salmonella (cfu/g)	Absent
Yeast and Moulds (cfu/g)	39
E. coli (cfu/g)	Absent
Staphylococcus Aureus (cfu/g)	Absent
Total Viable Count or Total Plate Count (cfu/g)	386

Palmitic Acid	C16:0	6.28
Stearic Acid	C18:0	2.05
Oleic Acid	C18:1	6.77
Linoleic Acid	C18:2	73.24
Gamma Linolenic Acid	C18:3	9.2