

Certificate of Analysis

Gracefruit Limited
209 Glasgow Road
Bonnybridge
FK4 1QQ



Raw Material Code:	R00203	Product Description:	Hemp Oil, CP, Organic
INCI Name:	Cannabis Sativa Seed Oil		
EINECS Number:	289-644-3	CAS Number:	89958-21-4
Date of Production:	July-2017	Best Before:	February-2019
Lot Number:	L000239314	Retested date:	

Analytical Details	Result
Appearance	Clear yellow to greenish oil
Odour	Characteristic
Specific Gravity @ 20°C	0.924
Refractive index @ 20°C	1.479
Moisture	<0.1
Peroxide Value (MeqO ₂ /kg)	6.00
Saponification Value	191.8
Unsaponifiable Matter	0.78
Colour (Gardner)	11.2
Acid Value (mg KOH/g)	1.12
TOTOX VALUE	17.2
BENZO (A) PYRENE (ug/kg)	<0.1
Anisidine Value	5.2
Sum of Dioxins and Furans (as WHO-PCDD/F-TEQ/G) ¹ (PG/G)	<0.171
Sum of Dioxins, Furans, Dioxin-like PCB's (WHO-PCDD/F-TEQ/G) ¹ (PG/G)	<0.274
PCB's (SUM 28,52,101,138,153,180)(Total 6 DIN-PCB)(NG/G)	<1.0
Sum of B(a)P, B(a)A, B(a)F and Chrysene	<0.4
Salmonella (cfu/g)	Not Detected
Yeast and Moulds	<1.0
Total Viable Count	<10.0
E. coli (cfu/g)	Not Detected
Staphylococcus Aureus (cfu/g)	Not Detected
Δ9 THC Tetrahydrocannabinol (Hemp) ppm	4.8

Palmitic Acid	C16:0	6.9
Stearic Acid	C18:0	2.9
Oleic Acid	C18:1	13.6
Linoleic Acid	C18:2	57.1

Alpha Linolenic Acid	C18:3	16.7
Gamma Linolenic Acid	C18:3	0.0