

Certificate of Analysis

Gracefruit Ltd

Raw Material Code	R00086
Product Name	Blackcurrant Oil, Refined
Inci Name	Ribes Nigrum Seed Oil
EINECS Number	Not Listed
Cas Number	97676-19-2

Date of Production	January/2018
Best Before Date	January/2020

Raw Material Lot

L000260594

Parameter	Result
Appearance	Clear, mobile, yellow liquid
Peroxide Value	1.6
FFA (%)	0.1
Acid Value	0.2
Refractive Index	1.4798
Relative Density & Specific Gravity	0.926
Palmitic Acid : C16:0	6.3
Stearic Acid : C18:0	1.5
Oleic Acid : C18:1	10.3
Linoleic Acid : C18:2	47.3
Alpha Linolenic Acid : C18:3	13.8
Gamma Linolenic Acid : C18:3	14.1
Stearidonic Acid : C18:4	2.9
Benzo (A) Pyrene (Ug/Kg)	<0.1
Colour (Gardner)	5.6
Cottonseed Oil	<0.01
E. Coli (Cfu/g)	Not Detected
Foreign Kernel Oils	<0.02
Mineral Oil And Foreign Fatty Oils	<0.001
Moisture & Volatile Matter (%)	<0.1

Pcbs (Sum 28, 52, 101, 138, 153, 180) (Total 6 Din-Pcb) ¹	<1.0
Salmonella (cfu/g)	Not Detected
Saponification Value	189
Sesame Oil	<0.02
Staphylococcus Aureus (cfu/g)	Not Detected
Sum Of Dioxins And Furans (As Who-Pcdd/F-Teq/G) ¹ (Pg/G)	<0.172
Sum Of Dioxins, Furans, Dioxin-Like Pcbs (Who-Pcdd/F-Pcb-Teq/G) ¹ (Pg/G)	<0.275
Total Plate Count (cfu/g)	<10
Unsaponifiable Matter	1.15
Yeast & Moulds (cfu/g)	<1