

Certificate of Analysis

Gracefruit Ltd

Raw Material Code: R00088

Product Description: Borage Oil, Refined

INCI Name: Borago Officinalis Seed Oil

EINECS Number: Not Listed

CAS Number: 225234-12-8

Date of Production: February-2017

Best Before: February-2019

Lot Number: L000212968

Retested date:

| Analytical Details | Result |
|--|----------------------------|
| Appearance | A clear pale yellowish oil |
| Odour | Typical |
| Specific Gravity @ 20°C | 0.920 |
| Refractive index @ 20°C | 1.476 |
| Free Fatty Acid (% as Oleic) | 0.03 |
| Peroxide Value (Meq O ₂ /kg) | 0.1 |
| Saponification Value | 190.3 |
| Unsaponifiable Matter | 0.63 |
| Iodine Value | 136.2 |
| Colour (Gardner) | 0.2 |
| Acid Value (mg KOH/g) | 0.06 |
| Heavy Metals | Complies |
| TOTOX VALUE | 2.5 |
| BENZO (A) PYRENE (ug/kg) | <0.1 |
| Anisidine Value | 2.3 |
| Sum of Dioxins and Furans (as WHO-PCDD/F-TEQ/G) ¹ (PG/G) | <0.169 |
| Sum of Dioxins, Furans, Dioxin-like PCB's (WHO-PCDD/F-TEQ/G) ¹ (PG/G) | <0.270 |
| Moisture and Volatile Matter (%) | 0.03 |
| Salmonella (cfu/g) | Not Detected |
| Yeast and Moulds | <10.0 |
| Total Viable Count or Total Plate Count (cfu/g) | <10.0 |
| E. coli (cfu/g) | Not Detected |
| Staphylococcus Aureus (cfu/g) | Not Detected |
| Pesticide Residues in Accordance with European Food Law | Complies |
| Arsenic | <0.02 |
| Cadmium | <0.01 |
| Lead | <0.02 |
| Mercury | <0.0001 |

| | | |
|----------------------|-------|------|
| Myristic Acid | C14:0 | 0.1 |
| Palmitic Acid | C16:0 | 9.9 |
| Palmitoleic Acid | C16:1 | 0.3 |
| Stearic Acid | C18:0 | 5.2 |
| Oleic Acid | C18:1 | 19.4 |
| Linoleic Acid | C18:2 | 36.5 |
| Alpha Linolenic Acid | C18:3 | 0.1 |
| Gamma Linolenic Acid | C18:3 | 19.1 |
| Arachidic Acid | C20:0 | 0.3 |
| Eicosenoic Acid | C20:1 | 4.1 |
| Erucic Acid | C22:1 | 2.5 |
| Lignoceric Acid | C24:0 | 1.5 |
| Others | - | 1 |