

Certificate of Analysis

Gracefruit Ltd

Raw Material Code: R00247

Product Description: Mango Butter

INCI Name: Mangifera Indica Seed Butter

EINECS Number: 290-045-4

CAS Number: 90063-86-8

Date of Production: December-2016

Best Before: December-2017

Lot Number: L000203417

Retested date: -

| Analytical Details | Result |
|---|------------------------------------|
| Appearance | Pale yellow semi-solid fat |
| Odour | Free from rancid or foreign odours |
| Melting Point (°C) | Conforms |
| Free Fatty Acid (% as Oleic) | 0.136 |
| Peroxide Value (Meq O ₂ /kg) | 0.8 |
| Saponification Value | 185.7 |
| Unsaponifiable Matter | 1.2 |
| Iodine Value | 47 |
| Colour (Gardner) | 3.7 |
| Acid Value (mg KOH/g) | 0.27 |

| | | |
|----------------------|-------|-------|
| Lauric | C12:0 | 0.12 |
| Myristic Acid | C14:0 | 0.33 |
| Palmitic Acid | C16:0 | 11.75 |
| Palmitoleic Acid | C16:1 | 0.17 |
| Stearic Acid | C18:0 | 40.51 |
| Oleic Acid | C18:1 | 39.07 |
| Linoleic Acid | C18:2 | 6.56 |
| Alpha Linolenic Acid | C18:3 | 0.06 |
| Arachidic Acid | C20:0 | 0.93 |
| Eicosenoic Acid | C20:1 | 0.32 |
| Behenic Acid | C22:0 | 0.17 |