

Gracefruit Ltd
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EORI Number: GB9358 1151 4000
Company Number: SC374368

Certificate of Analysis

| | | | |
|----------------------------|----------------------------------|-----------------------------|----------------------|
| Raw Material Code: | R00113 | Product Description: | Castor Oil BP |
| INCI Name: | Ricinus Communis Seed Oil | | |
| EINECS Number: | 232-293-8 | CAS Number: | 8001-79-4 |
| Date of Production: | June-2015 | Best Before: | June-2017 |
| Lot Number: | 1000128167 | Retest Date: | - |

| Analytical Details | Result |
|------------------------------|--|
| Appearance | A clean almost colourless or slightly yellow viscous |
| Odour | Very slight and characteristic |
| Relative Density (g/ml) | 0.9597 |
| Refractive Index nD20 | 1.4789 |
| Free Fatty Acid (% as Oleic) | 0.26 |
| Moisture (%) | 0.15 |
| Peroxide Value (meq O2 / kg) | 0.88 |
| Saponification Value | 180.58 |
| Unsaponifiable Matter (%) | 0.35 |
| Iodine Value (Calc.) | 85.63 |
| Acid Value (mg KOH/g) | 0.52 |
| Hydroxyl Value | 163.88 |

| | | |
|-------------------|-------|--------------|
| Palmitic Acid | C16:0 | 1.32 |
| Stearic Acid | C18:0 | 1.39 |
| Oleic Acid | C18:1 | 3.81 |
| Linoleic Acid | C18:2 | 3.1 |
| Linolenic Acid | C18:3 | 0.48 |
| Eicosenoic Acid | C20:1 | Not Detected |
| Ricinoleic Acid | C24:0 | 87.64 |
| Other Fatty Acids | C24:1 | 0.26 |