

Specification

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| Product Name: | Grapefruit Seed Extract | | |
| INCI Name: | A broad-spectrum, antimicrobial compound produced from the seeds and pulp of Citrus grandis. Blended with Glycerin and stabilised with Ascorbic Acid. | | |
| Description: | Citrus Grandis Seed Extract & Glycerine & Ascorbic Acid & Aqua | | |
| CAS No: | N/A | EC No: | N/A |

| Analytical Test | Specification |
|---|------------------------------|
| Appearance: | Yellow/brown viscous liquid. |
| Odour: | Characteristic. |
| Specific Gravity @ 20°C (g/ml) | 1.200 – 1.250 |
| Total Flavonoids (e.g Naringin,Narirutin, Hesperidin, Neohesperidin) (mg/100ml) | > 600 |
| Ascorbic Acid (mg/100ml) | Approx. 3.45 |
| Quaternary Ammonium Compounds: | |
| BAC-C12 Benzylidemethyl dodecylammonium chloride | Not detected |
| BAC-C14 Miristalkonium chloride | Not detected |
| BAC-C16 Cetalkonium chloride | Not detected |
| DDAC Didecyldimethylammonium chloride | Not detected |
| BEC Benzethonium chloride | Not detected |
| Microbiology: | |
| Aerobic mesophile total microbial count (cfu/g) | < 10.0 |
| Bile – tolerant gram-negative bacteria (cfu/g) | < 100.0 |
| Yeast & Mould (cfu/g) | < 100.0 |
| Escherichia coli (cfu/g) | Not detected |
| Staphylococcus aureus (cfu/g) | Not detected |
| Salmonella (cfu/g) | Not detected |
| Heavy Metals: | |

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|---------------|---|
| Arsenic (ppm) | < 0.05 |
| Cadmium (ppm) | < 0.025 |
| Mercury (ppm) | < 0.025 |
| Lead (ppm) | < 0.025 |
| Storage | Store product in full, tightly closed containers in a cool dry place away from heat and sunlight. |
| Stability | When stored for more than 24 months, quality should be checked before use. |