

## Specification

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
<b>Quaternary Ammonium Compounds:</b>	
BAC-C12 Benzyldimethyl 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
<b>Microbiology:</b>	
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
<b>Heavy Metals:</b>	

## **Specification**

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.