



Grapefruit Seed Extract

INCI: Grapefruit Seed Extract

Product Description:

Natural Sourcing's Grapefruit Seed Extract is a proprietary, non-metallic, natural preservative with broad spectrum antimicrobial and antioxidant properties. As such, it is useful in a wide range of cosmetic applications as well as a disinfectant cleaner for production equipment.

Chemical Description:

Active Ingredients:

Grapefruit Seed Extract:	40-45%
*Vitamin C (ascorbic acid):	<u>15-20%</u>
	60%

Inert Ingredients:

Glycerin USP:	37-40%
Moisture:	<u>0-3% (Max)</u>
	40%

Total: **100%**

* Primary source of Vitamin C is from the extract

Typical Physical Properties:

Appearance:	Heavy, viscous liquid
Color:	Lemon yellow to golden brown
Specific Gravity @ 25°:	1.10 – 1.30
Density (lbs/gal):	10
pH @ 25°:	1.5 – 3.0
Flash Point (°F):	292
Viscosity (Centistokes):	134.91
Surface Tension ((avg. of 5 readings (dynes/cm):	40.0
Apparent Interfacial Tension (dynes/cm):	5.0
True Corrected Interface Tension (dynes/cm):	4.5



NATURAL SOURCING™

Specialists in Cosmeceutical Ingredients

Advantage:

Natural Sourcing's Grapefruit Seed Extract is extremely active against a broad spectrum of micro-organisms which can contaminate products and equipment.

Compatibility:

Natural Sourcing's Grapefruit Seed Extract compatible studies were determined by mixing dilute solutions of different product solutions which might be combined or incorporated in formulations. Presence or absence of turbidity indicates the physical compatibilities. Therefore, final formulations should be carefully evaluated for both physical and product stability.

Compatible

Nonionic agent
Citric acid
Ascorbic acid
Acetic acid
Sodium acetate
Potassium hydroxide
Borax
Sodium sulfate
Sodium carbonate
Triton X 100
Isopropyl alcohol

Partially compatible

Potassium iodide
Sodium metasilicate

Incompatible

Anionic agents

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Disclaimer: All information, appearing herein on our products is based upon data that are believed to be reliable. However, it is the user's responsibility to determine the suitability of the product before use. Since the actual use of the product is beyond our control, no guarantee, express or implied, is made by Natural Sourcing of the product nor does Natural Sourcing assume any liability arising out of use, by others, of the product referred to herein.

Natural Sourcing, LLC • 341 Christian Street, Oxford, CT 06478
Phone: (203) 267-6061 • Toll Free: (800) 340-0080 • Fax: (203) 267-6065 • info@naturalsourcing.com

www.naturalsourcing.com