## NOTE: This product is approved for "FDA (COSMETIC) USE ONLY".

Any commercial TSCA use is strictly prohibited and Acme-Hardesty Co. will not support downstream users/uses of TSCA purposes for this material.

## BIOSECUR® C160S Standard Liquid



450 Sentry Parkway Blue Bell, PA 19422 www.acme-hardesty.com Tel: 215.591.3610 Fax: 215.591.3620

#### PRODUCT DATA SHEET

Product Characteristics

	1 1 Oddice Citation Control		
Description	Specification	Test method	
Carrier used	Certified ORGANIC vegetable glycerin	n/a	
Fruit type	Certified ORGANIC citrus (blend citrus without grapefruit)	n/a	
Fruit part used	Flavedo and albedo layers	n/a	
Active ingredient	Citrus bioflavonoid	HPLC (UV-Vis detection)	

Physical test

Description	Specification	Test method
Color	Honey color	Visual
Appearance	Viscous crystalline liquid	Visual
Taste	Light acid, light sweet and light	Organoleptic
Odor	Agreeable (light citrus smell)	Organoleptic
Bolling Point	226°F - 108°C	Internal method
Volatility	Non-volatile	Internal method
Solubility in water/glycerol/ethanol	100% soluble	Internal method
Density at 25°C	1,11 g/ml to 1,22 g/ml	Pycnometer
pH	Between 2.0 to 3.5	Internal method
Batch to batch consistency	Identity test report	HPLC identity

Chemical test

Description	Specification	Test method Graphite furnace atomic absorption	
Pb	< 10ppm		
As	< 1ppm Chemical Family	ICP-OES	
Cd	< 1ppm Chemical Family	ICP-OES	
As Cd Be	< 1ppm Chemical Family	ICP-OES	
Cr	< 1ppm Chemical Family	ICP-OES	

### Microbiological Test

Description	Test method	
Total aerobic bacteria count / gr	USP <61>	
Total yeast / gr	USP <61>	
Total mold / gr	USP <61>	
Escherichia coli	USP <62>	
Salmonella sp.	USP <62>	
Staphylococcus aureus	USP <62>	
Pseudomonas aeruginosa	USP <62>	

#### **Inquiries:**

Acme-Hardesty Co. 450 Sentry Parkway Blue Bell, PA 19422 (800) 223-7054

csc@acme-hardesty.com

- \* Certified Organic Citrus Extract
- 3-Year Shelf-Life from the date of manufacture kept at ambient temperatures unopened.
- Not considered genetically modified
- Not derived from Genetically Modified Organisms (GMO's)
- Bovine Spongiform Encephalopathy/Transmissible Spongiform Encephalopathy (BSE/TSE) free
- Gluten-free
- Material has not been subjected to Irradiation
- \* REACh compliant
- \* Refer to MSDS as a guideline for Safety, Handling and Storage information

The data herein are based on our current knowledge and believed to be reliable. They are intended for use by persons having technical skill and at their own discretion and risk. Due to numerous factors that may affect handling, processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any data given herein may change without prior notice and do not constitute a contractual agreement regarding quality.

Acme-Hardesty Co., specifically disclaims any implied warranties of merchantability, suitability or fitness for a particular purpose or application, and assumes no liability in connection with the use of this information. Final determination of suitability is the sole responsibility of the user who alone knows the conditions of intended use.

Date: March 4, 2013

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SINCE 1857-

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# BIOSECUR® C160S Standard Liquid



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#### PRODUCT DATA SHEET

Paraben Test

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Description	Test method	Limits of detection
Methylparaben	UPLC-MS-MS	< 0,1 mg/L
Ethylparaben	UPLC-MS-MS	< 0,1 mg/L
Propylparaben	UPLC-MS-MS	< 0,1 mg/L
Isopropylparaben	UPLC-MS-MS	< 0,1 mg/L
Butylparaben	UPLC-MS-MS	< 0,1 mg/L
Isobutylparaben	UPLC-MS-MS	< 0,1 mg/L
These analyses are made	by: TransBIOTech,	

**Quaternary Test** 

Description	Test method	Limits of detection	
Description	rest method		
Benzalkonium Chioride	HPLC-UV-MS	< 0,1 mg/L	
Benzethonium Chloride	HPLC-UV-MS	< 0,1 mg/L	
Triclosan -	HPLC-UV-MS	< 0,1 mg/L	

Other Test

Description	Test method	Limits of detection
Phenoxyethanol	GC-MS	< 10 ppm
Synephrine	HPLC-UV-Vis	0,004
Octopamine HCI	HPLC-UV-Vis	0,005
Hordenine	HPLC-UV-Vis	0,005
Formaldehyde	HPLC-EPA 1667	< 2000 ug/kg
These tests are made	by: Chromadex,	

**Proof of efficiency** 

Description	Test method	ATCC	Control
Escherichia coli	Efficiency disinfectants, SOP No. Val. 600.50	8739	1700
Salmonella enteric	Efficiency disinfectants, SOP No. Val. 600.50	14028	1300
Listeria monocytogenes	Efficiency disinfectants, SOP No. Val. 600.50	19115	1845

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