

# CERTIFICATE OF ANALYSIS

Product Description GENTAMICIN SULFATE  
Product Number G570  
Lot Number 10D0570003  
Storage Temperature 2-6° C  
Molecular Weight 575.67  
Formula  $C_{21}H_{43}N_5O_7 \cdot H_2SO_4$   
CAS Number 1405-41-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	4.61
Physical Appearance Color* Texture	2143-70 to 2151-70 Fine Powder; may form clumps	2148-70 Off-White w/Beige Tint Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Potency	Minimum 590 µg/mg	600 µg/mg (as is)
Conforms to USP, BP, or EP Specifications	Meets requirements for at least one grade	Passes
Loss on Drying	For information only	7.5%

\*Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

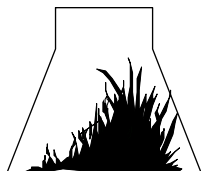
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life Date: April 2015



Gary Seckinger, Ph.D.



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### PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>

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