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	4.7
Physical Appearance Color* Texture	 2143-70 to 2151-70 Fine Powder; may form clumps	 2143-70 Off-White Fine Powder w/ Clumps
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	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.

***Phyto*Technology 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. *Phyto*Technology 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: January 2019

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

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