

# CERTIFICATE OF ANALYSIS

Product Description            STREPTOMYCIN SULFATE  
O-2-DEOXY-2-(METHYLAMINO)- $\alpha$ -L-GLUCOPYRANOSYL-(1 $\rightarrow$ 2)-O-5-  
DEOXY-3-C-FORMYL- $\alpha$ -L-LYXOFURANOSYL-(1 $\rightarrow$ 4)-N,N'-  
BIS(AMINOIMINOMETHYL)-D-STREPTAMINE SULFATE

Product Number                S739  
Lot Number                      11L0739008  
Storage Temperature          2-6 °C  
Molecular Weight              1457.4  
Formula                          (C<sub>21</sub>H<sub>39</sub>N<sub>7</sub>O<sub>12</sub>)<sub>2</sub>•3H<sub>2</sub>SO<sub>4</sub>  
CAS Number                      3810-74-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.59
Physical Appearance Color* Texture	RM-1 to RM-4, or RM-31 Fine Powder, may form clumps	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	Passes
Loss on Drying	For Information Only	3.8%
Potency (on dry basis)	Minimum 650 u/mg	743 $\mu$ g/mg

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

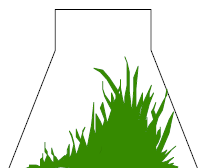
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: November 2016



Gary Seckinger, Ph.D.



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### PhytoTechnology Laboratories®

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