CERTIFICATE OF ANALYSIS

Product Description	STREPTOMYCIN SULFATE O-2-DEOXY-2-(METHYLAMINO)-α-L-GLUCOPYRANOSYL-(1→2)-O-5-DEOXY-3-C-FORMYL-α-L-LYXOFURANOSYL-(1→4)-N,N'-BIS(AMINOIMINOMETHYL)-D-STREPTAMINE SULFATE
Product Number	S739
Lot Number	12K0739009
Storage Temperature	2-6 °C
Molecular Weight	1457.4
Formula	$(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$
CAS Number	3810-74-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.5
Physical Appearance Color* Texture	 PM-1 to PM-4 Fine Powder, may form clumps	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 2 min)	2 min
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Loss on Drying	For Information Only	4.9 %
Potency (on dry basis)	Minimum 650 µg/mg	974 µg/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.

***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: May 2019

Gary Seckinger, Ph.D.

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