

CERTIFICATE OF ANALYSIS

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

Product Number S739

Lot Number 12K0739009

Storage Temperature 2-8°C

Molecular Weight 1457.4

Formula (C₂₁H₃₉N₇O₁₂)₂•3H₂SO₄

CAS Number 3810-74-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.8
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 μ g/mg	974 μ 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.

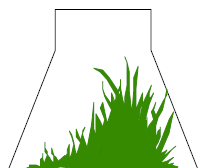
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Date of Release: 22-March-2018

Recommended Shelf Life Date: March 2021



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