

# CERTIFICATE OF ANALYSIS

Product Description      SPECTINOMYCIN DIHYDROCHLORIDE, PENTAHYDRATE  
USP GRADE  
TOGAMYCIN; TROBICIN

Product Number        S742

Lot Number             HHA0742016

Storage Temperature   2-8°C

Molecular Weight      495.35 g/mol

Formula                 C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>7</sub>•2HCl•5H<sub>2</sub>O

CAS Number            22189-32-8

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10.0 mg/mL	Passes
pH	Under Development	4.7
Physical Appearance Color* Texture	PM-1 to PM-4 Fine Powder, may form clumps	PM-1 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	Passes
Insolubles	None	Passes
Potency	Minimum 603 µg/mg	798 µg/mg
FTIR	Conforms to Structure	Passes

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

The material described in this certificate was purified from bacterial fermentation of *Streptomyces spectabilis*. No animal- or plant derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 14-April-2020  
Recommended Shelf Life Date: April-2025



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