

# CERTIFICATE OF ANALYSIS

**Product Description** TOBRAMYCIN SULFATE  
USP GRADE  
**Product Number** T834  
**Lot Number** 04B83401  
**Storage Temperature** 2-8°C  
**Molecular Weight** 1425.4  
**Formula** (C<sub>18</sub>H<sub>37</sub>N<sub>5</sub>O<sub>9</sub>)<sub>2</sub>•5H<sub>2</sub>SO<sub>4</sub>  
**CAS Number** 79645-27-5

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Soluble in Water
pH (10 mg/mL)	Under Development	7.7
Physical Appearance Color*	2146-70 to 2151-70	2146-70 Off White
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Water Content	≤2.0%	1.7%
Assay	634 – 739 µg/mg	700 µg/mg

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

The material described in this certificate is of synthetic nature. 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.**

Product Release Date: 5 September 2019  
Recommended Shelf Life Date: March 2022



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