

CERTIFICATE OF ANALYSIS

Product Description	GENTAMICIN SULFATE
Product Number	G570
Lot Number	10D0570003
Storage Temperature	2-8°C
Molecular Weight	575.67
Formula	C ₂₁ H ₄₃ N ₅ O ₇ •H ₂ SO ₄
CAS Number	1405-41-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	4.8
Physical Appearance Color* Texture	2143-70 to 2151-70 Fine Powder; may form clumps	2144-70 Off-White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Within 1 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 590 µg/mg	600 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.

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: 19-December-2023
Recommended Shelf-Life Date: December 2026



David Hart
Technical Director