

CERTIFICATE OF ANALYSIS

Product Description KASUGAMYCIN HYDROCHLORIDE
 MONOHYDRATE
 3-O-[2-AMINO-4-[(CARBOXYIMINOMETHYL)AMINO]-2,3,4,6-
 TETRADEOXY- α -D-ARABINO-HEXOPYRANOSYL]-D-CHIRO-INOSITOL

Product Number K559
Lot Number 07C55901
Storage Temperature 2-6° C
Molecular Weight 433.8
Formula C₁₄H₂₅N₃O₉*HCl*H₂O
CAS Number 6980-18-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (1.00 g/L)	Under Development	5.41
Physical Appearance		
Color*	2150-60 to 2155-60, 2150-70 to 2156-70, HC-6, HC-33, or HC-36	2152-60 (Mannequin Cream)
Texture	Fine to Clumpy Powder	Fine, Clumpy Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Slight Yellow to Beige Tint	Slight Beige Tint
Average Time to Dissolve	Within 1 min	Passes
Precipitation Formation	None	Passes
Purity (Kasugamycin HCl)	Minimum 80%	84.1%
Moisture (Loss on Drying)	For Information Only	3.3%

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

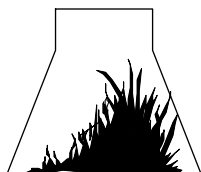
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology 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. PhytoTechnology 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: March 2012



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