

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 2-8°C
Molecular Weight 433.8
Formula $C_{14}H_{25}N_3O_9 \cdot HCl \cdot H_2O$
CAS Number 6980-18-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	5.3
Physical Appearance Color*	2150-60 to 2155-60, 2150-70 to 2156-70, HC-6, HC-33, or HC-36	2152-60 Cream
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance Clarity Color	Clear Slight Yellow to Beige Tint	Clear Beige Tint
Average Time to Dissolve	For Information Only (Approx. 3 min)	Passes
Insolubles	None	Passes
FTIR Result	Conforms to Structure	Passes
Purity	Minimum 80.0%	84.1%

* 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.

Date of Release: 04-May-2023

Recommended Shelf-Life Date: November 2025



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