

CERTIFICATE OF ANALYSIS

Product Description KANAMYCIN MONOSULFATE
Product Number K378
Lot Number SQS0378007
Storage Temperature Room Temperature
Molecular Weight 582.6
Formula $C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$
CAS Number 25389-94-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	8.3
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 to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 670 IU/mg	770 IU/mg

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

Biological Testing:

Test Concentration: 100.0 mg/L


TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; some tissue necrosis or death is possible, depending on the plant species. This product is tested with two or more axenic plant cell lines with no bioburden added to the medium.	Begonia	Passes
	Echinacea	Passes

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: 09-March-2026

Recommended Shelf-Life Date: September 2028

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