

Certificate of Quality

Product Name: Kanamycin Sulfate

Streptomyces kanamyceticus. Kanamycin is an aminoglycoside antibiotic that inhibits protein synthesis in gram- and gram+ bacteria and in mycoplasma. Recommended working concentration: 30 µg/ml.

Product Code: A3102 CAS #: 25389-94-0
Grade: Biotechnology Formula: C₁₈H₃₆N₄O₁₁.H₂SO₄
Appearance: Fine white to off-white powder MW: 582.58
Reassay Date: 3 years after shipping date Lot#: See product label
Storage: Store at room temperature. Protect from moisture.

TEST	SPECIFICATION	RESULT
Assay (on dried basis)	≥ 750 µg/mg	Passes
pH (1%, Water) at 25°C	6.5 - 8.5	Passes
Moisture (LOD)	≤ 3.0%	Passes
Residue on Ignition	≤ 0.5%	Passes
Specific Rotation (+)	+116° ~ +123°	Passes
Chromatographic Purity Test	Passes	Passes
Identification (A, B, C)	Positive	Passes
Sulfate	15 - 17%	Passes
Bacterial Endotoxin	≤ 0.4 EU/mg	Passes
Solubility	Clear and colorless	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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