



Specification

Kanamycin Monosulfate USP

Catalog Number:	KM1001
CAS Number:	25389-94-0
Synonym(s):	Kanamycin A, Kanamycin sulfate salt
Molecular Formula:	$C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$
Molecular Weight:	582.58
Storage:	15°C – 30°C
Retest Period:	Three years from the date of manufacture

Test	Specification
Appearance ¹	White to off-white powder
Assay (Potency, Anhydrous) ¹	≥ 750µg/mg
Potency (As Is)	Report
Identification A. FTIR ¹ B. Sulfate Reaction ¹	To match reference To give positive reaction
Chromatographic ¹	To pass test
Crystallinity ¹	To pass test
Specific Rotation	+112° to +123° (report)
pH (10mg/mL) ¹	6.5 – 8.5
Moisture (LOD) ¹	≤ 1.5%
Residue on Ignition ¹	≤ 0.5%
Organic Impurities ¹	To pass test
Residual Solvents ¹	To meet requirements

¹This lot meets the specifications for USP39.

Approved:

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