



Certificate of Analysis

Kanamycin Monosulfate USP

Catalog Number: KM1001
Lot Number: 0314902
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
Date of Manufacture: July 27, 2018
Retest Date: July 5, 2021

Test	Specification	Result
Appearance ¹	White to off-white powder	Conforms
Assay ¹	≥ 750U/mg	796U/mg
Identification		
A. FTIR ¹	To match reference	Conforms
B. Sulfate Reaction ¹	To give positive reaction	Conforms
C. Chromatographic ¹	To pass test	Conforms
Crystallinity ¹	To pass test	Conforms
pH (10mg/mL) ¹	6.5 – 8.5	8.3
Moisture (LOD) ¹	≤ 1.5%	0.4%
Residue on Ignition ¹	≤ 0.5%	0.2%
Organic Impurities ¹	To pass test	Conforms
Residual Solvents ¹	To meet requirements	Conforms
This lot meets the specifications for USP39.		

Approved by:

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Date: March 18, 2019