

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Kanamycin sulfate, USP grade, from Streptomyces kanamyceticus

ITEM NUMBER: K103024  
 BRAND: Aladdin  
 CAS NUMBER: 25389-94-0, 70560-51-9  
 MDL NUMBER: MFCD00070289  
 FORMULA: C<sub>18</sub>H<sub>36</sub>N<sub>4</sub>O<sub>11</sub> · H<sub>2</sub>SO<sub>4</sub>  
 MOLECULAR WEIGHT: 582.58

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Abnormal toxicity	Coincidence		
Appearance	White Powder or Crystals		
Identification	pass		
Kanamycin B	Coincidence		
Loss on drying	0 %	1.5 %	1.5 %
pH	6.5	8.5	8.5
Potenc	0 IU/mg OR I.U. 0 IU/mg OR I.U.		>=750 IU/mg OR I.U./mg
Pyrogen test	Coincidence		
Solubility	Coincidence		
Specific rotation [α] <sub>20</sub> /D(C=1, H <sub>2</sub> O)	++112 °	++23 °	++123 °
Sterility	Coincidence		
Sulfat	15	17	17
Sulfated ash	0 %	0.5 %	0.5 %