

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-26 14:52:06  
Date of Next Testing: 2029-06-25 14:52:06  
Product Name: **Spectinomycin pentahydrate dihydrochloride**  
CAS Number: 22189-32-8  
Specifications & Purity: potency:  $\geq 603$  IU/mg  
Lot #: F2523016  
SKU #: **S117923**  
Version: **0**  
Analysis #: **182299**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Ignition Residue	0-1 (%)	0.50000 %
Water by Karl Fischer	16-21 (%)	18.60000 %
potency	$\geq 603$ (IU/mg OR I.U./mg)	799.00000 IU/mg OR I.U./mg
Specific Rotation [a] <sub>D</sub> (c=1 in H <sub>2</sub> O)	15-21 (°)	19.00000 °
IR spectrum	Conforms to structure	Conforms to Structure
Appearance (S117923)	white to off-white powder	White to Off-White Powder



John Su  
QA & QC Manager