

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-15 12:27:59
 Date of Next Testing: 2029-10-14 12:27:59
 Product Name: **Spectinomycin pentahydrate dihydrochloride**
 CAS Number: 22189-32-8
 Specifications & Purity: potency: ≥ 603 IU/mg
 Lot #: J2510614
 SKU #: **S117923**
 Version: **0**
 Analysis #: **576117**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Ignition Residue	0-1 (%)	0.90000 %
Water by Karl Fischer	16-21 (%)	18.10000 %
potency	≥ 603 (IU/mg OR I.U./mg)	798.00000 IU/mg OR I.U./mg
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	15-21 (°)	18.30000 °
Appearance (S117923)	white to off-white powder	White to Off-White Powder
IR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager