

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-12 08:54:48
Date of Next Testing: 2029-06-11 08:54:48
Product Name: **Spectinomycin dihydrochloride pentahydrate**
CAS Number: 22189-32-8
Specifications & Purity: BioReagent, for cell culture, Powder
Lot #: F2604006
SKU #: **S477715**
Version: **1**
Analysis #: **262752**
Storage Temperature: Protected from light, Store at -20°C, Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	16-20 (%)	17.22590%
Endotoxin Level	≤10 (EU/mg)	0.94300 EU/mg
potency	≥603 (µg/mg)	784.00000 µg/mg
specific rotation [α] ₂₀ /D(C=100mg/ml H ₂ O)	15-21 (°)	15.03000°
Purity(Titration by AgNO ₃)	98-102 (%)	101.98000%
Appearance(S477715)	White to Off-White powder to crystal	White to Off-White Powder to crystal
Colorless to Light Yellow ,Clear ,50 mg/mL, H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass



John Su
QA & QC Manager