

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-29 17:01:58
Date of Next Testing: 2026-08-28 17:01:58
Product Name: **Spectinomycin dihydrochloride pentahydrate**
CAS Number: 22189-32-8
Specifications & Purity: BioReagent, for cell culture, Powder
Lot #: H2325766
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