

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-10 15:00:04
 Date of Next Testing: 2026-01-09 15:00:04
 Product Name: **Spectinomycin sulfate tetrahydrate**
 CAS Number: 64058-48-6
 Specifications & Purity: $\geq 96\%$
 Lot #: A2303581
 SKU #: **S350547**
 Version: **1**
 Analysis #: **164847**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	96-100 (%)	98.13300 %
Ignition Residue	0-0.1 (%)	0.00000 %
Water by Karl Fischer	12.0-16.5 (%)	13.97710 %
Specific Rotation $[\alpha]_{20/D}(C=0.1\text{g/mL, in } 8\text{mL/L NH}_3\bullet\text{H}_2\text{O})$	10-14 ($^{\circ}$)	10.05700 $^{\circ}$
Appearance(S350547)	white to off-white powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager