

Certificate of Analysis

Date of Testing: 2025-03-18 08:58:11

Date of Next Testing: 2028-03-17 08:58:11

Product Name: **Spectinomycin sulfate tetrahydrate**

CAS Number: 64058-48-6

Specifications & Purity: $\geq 96\%$

Lot #: C2506107

SKU #: **S350547**

Version: **1**

Analysis #: **164847**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	96-100 (%)	98.13 %
Ignition Residue	0-0.1 (%)	0.00 %
Water by Karl Fischer	12.0-16.5 (%)	13.98 %
Specific Rotation $[\alpha]_{20/D}(C=0.1g/mL, \text{in } 8mL/L \text{ NH}_3 \bullet H_2O)$	10-14 (°)	10.05700°
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