

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-11 17:38:28  
Date of Next Testing: 2026-11-10 17:38:28  
Product Name: **Lincomycin hydrochloride**  
CAS Number: 859-18-7  
Specifications & Purity: 95%  
Lot #: K2204779  
SKU #: **L107359**  
**Analysis: 154354**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	151-157 (°C)	152.00000 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 H <sub>2</sub> O)	134-139 (°)	138.00°
Purity(Nonaqueous Titration)(calcd.on dried substance)	95-100 (%)	99.10%
Water by Karl Fischer	3.7-4.5 (%)	4.08%
Appearance (I107359)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager