

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-22 08:53:28  
Date of Next Testing: 2026-02-21 08:53:28  
Product Name: **L-cystinedihydrochloride**  
CAS Number: 30925-07-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: D2219117  
SKU #: **L133106**  
Analysis: **322143**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1$ in 1mol/L HCl)	-173--163 (°)	-168.50 °
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	99.84 %
Appearance (L133106)	White to Off-white to Pale Cream or Pale Yellow Crystalline Powder or Powder or Crystalline	White to Off-white to Pale Cream or Pale Yellow Crystalline Powder or Powder or Crystalline
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager