

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-12 15:38:16  
Date of Next Testing: 2024-09-11 15:38:16  
Product Name: **L-cystinedihydrochloride**  
CAS Number: 30925-07-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2207824  
SKU #: **L133106**  
Analysis: **108643**

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	99.50%
Specific Rotation[ $\alpha$ ] <sub>20/D</sub> (c=1 in 1mol/L HCl)	-173--163 (°)	-163.33 °
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