

## Certificate of Analysis

Date of Testing: 2023-08-01 09:47:16  
Date of Next Testing: 2025-07-31 09:47:16  
Product Name: **L-cystinedihydrochloride**  
CAS Number: 30925-07-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2129081  
SKU #: **L133106**  
Analysis: **257855**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1$ in 1mol/L HCl)	-173--163 (°)	-169.30 °
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	97.51 %
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