

## Certificate of Analysis

Date of Testing: 2025-03-17 18:08:38

Date of Next Testing: 2027-03-17 18:08:38

Product Name: **L-cystinedihydrochloride**

CAS Number: 30925-07-6

Specifications & Purity:  $\geq 98\%$

Lot #: C2513399

SKU #: **L133106**

Version: **1**

Analysis #: **475374**

| Parameter                                               | Limit Values                                                                                | Result                                                                                      |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> )                 | 97.5-102.5 (%)                                                                              | 101.41 %                                                                                    |
| Specific Rotation[a] <sub>20/D(c=1 in 1mol/L HCl)</sub> | -173--163 (°)                                                                               | -164.20 °                                                                                   |
| 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                                                                       |



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