

Certificate of Analysis

Date of Testing: 2024-08-19 13:59:36
Date of Next Testing: 2028-08-18 13:59:36
Product Name: **L-Cysteine hydrochloride monohydrate**
CAS Number: 7048-04-6
Specifications & Purity: 99%
Lot #: J2029054
SKU #: **C110436**
Version: **2**
Analysis #: **400882**
Storage Temperature: Protected from light,Argon charged,Desiccated

Parameter	Limit Values	Result
Specific Rotation [a] _D 20/D(c=8 in 1mol/L HCl)	5-7 (°)	5.73°
Loss on drying (P2O5 , vacuum drier)	8.5-12 (%)	10.64000 %
Purity(Iodometric Titration)	99-100 (%)	99.00 %
Appearance (C110436)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless and clear(5% in H2O)	pass	Pass



John Su
QA & QC Manager