

Certificate of Analysis

Date of Testing: 2023-09-04 13:22:00
Date of Next Testing: 2027-09-03 13:22:00
Product Name: **L-Cysteine hydrochloride monohydrate**
CAS Number: 7048-04-6
Specifications & Purity: 99%
Lot #: H2330223
SKU #: **C110436**
Analysis: **226730**
Storage Temperature: Protected from light,Argon charged,Desiccated

Parameter	Limit Values	Result
Specific Rotation [α] _D (c=8 in 1mol/L HCl)	5-7 (°)	6.04°
Purity(Iodometric Titration)	99-100 (%)	99.10%
Loss on drying (P2O5 , vacuum drier)	8.5-12 (%)	8.51000%
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