

Certificate of Analysis

Date of Testing: 2024-05-07 09:15:31
Date of Next Testing: 2028-05-06 09:15:31
Product Name: **L-Cysteine hydrochloride monohydrate**
CAS Number: 7048-04-6
Specifications & Purity: 99%
Lot #: D2423259
SKU #: **C110436**
Analysis: **336287**
Storage Temperature: Protected from light,Argon charged,Desiccated

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=8 in 1mol/L HCl)	5-7 (°)	5.40°
Loss on drying (P ₂ O ₅ , vacuum drier)	8.5-12 (%)	8.88000 %
Purity(Iodometric Titration)	99-100 (%)	99.10 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (C110436)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Solubility,Colorless and clear(5% in H ₂ O)	pass	Pass



John Su
QA & QC Manager