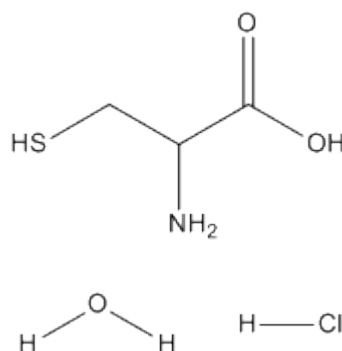


## Certificate Of Analysis

**Name:** L-Cysteine hydrochloride monohydrate  
**CAS No.:** 7048-04-6  
**Cat No.:** A836897  
**Molecular Formula:** C<sub>3</sub>H<sub>10</sub>ClNO<sub>3</sub>S  
**Molecular Weight:** 175.63  
**Batch No.:** L13102022  
**Mfg.Date:** 2022.10.13  
**Exp.Date:** 2024.10.12



Items	Specifications	Results
Appearance	White crystalline powder	Conforms
Identification	Infrared absorption	Conforms
Specific rotation[α] <sub>D20</sub>	+5.7°~+6.8°	+5.99°
Loss on drying	8.0~12.0%	11.45%
Residue on ignition	≤0.4%	0.10%
Sulfate	≤0.03%	<0.03%
Iron	≤0.003%	<0.003%
Heavy metals	≤0.0015%	<0.0015%
Chromatographic purity	Meets the requirements	Conforms
Organic volatile impurities	Meets the requirements	Conforms
Assay	95~101.5%	99.73%
Particle size	12Mesh	Conforms
Conclusion	The product tested complies with the specifications.	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

---

\*If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)

\*For laboratory or manufacturing use only, not for drug, food and household use.