

## Certificate of Analysis

### Compound Information

**Product Name:** L-Cysteine (hydrochloride hydrate)

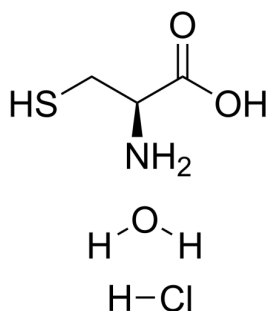
**Cat. No.:** 1040432

**CAS No.:** 7048-04-6

**Molecular Formula:** C<sub>3</sub>H<sub>10</sub>ClNO<sub>3</sub>S

**Molecular Weight:** 175.63

**Chemical Structure:**



### Batch Information

**Batch No.:** Lg0213201461

**Storage:** 2-8°C, sealed storage, away from moisture

**Test Date:** 2023-02-13

**Retest Date:** 2026-02-12

**Origin:** Shanghai, China

### QC Summary

**Appearance:** White to off-white (Solid)

**<sup>1</sup>H NMR Spectrum:** Consistent with structure

**Purity (NMR):** ≥98.0%

**Residue on Ignition:** 0.03%

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai