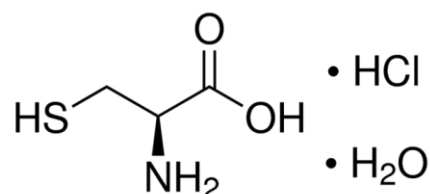




# L-CYSTEINE HYDROCHLORIDE MONOHYDRATE 98.5% AR FOR BIOCHEMISTRY

**CAT. NO.** : 031090  
**GRADE** : AR  
**CAS NO.** : 7048-04-6  
**FORMULA** : C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S.HCl.H<sub>2</sub>O  
**M.W.** : 175.63



Assay (ex Cl, iodometric) 98.5-101.0%  
Specific rotation  $\alpha^{20}_D$  (C=2, in 5N HCl) + 5.5° to + 6.5°  
State of solution  
(10% solution 430 nm; Transmittance) NLT 95.0%

### Maximum limits of impurities:

Loss on drying	8.0 – 12.5%
Sulphated ash	0.4%
Iron (Fe)	0.002%
Heavy metals (Pb)	0.001%
Sulphate (SO <sub>4</sub> )	0.03%
Ammonium	0.02%
Related compounds	Passes test

DATE: 01.07.2025

**Remarks:** The above-mentioned batch material is compliance with the standard specifications of High Purity Laboratory Chemicals Pvt. Ltd.

