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## CERTIFICATE OF ANALYSIS

Analysis Date:

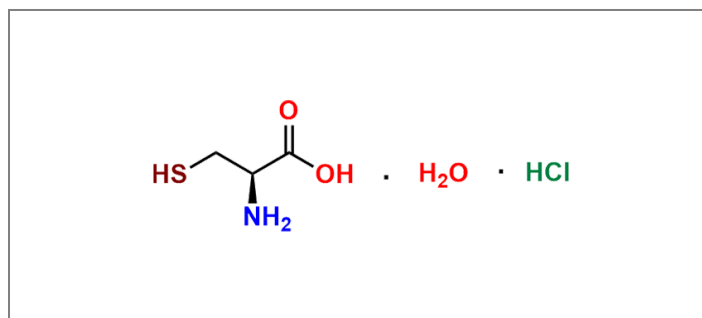
Re-test Date:

**Product Name: L-Cysteine Hydrochloride**

### Identification:

Chemical Name: (R)-2-Amino-3-mercaptopropanoic acid hydrochloride hydrate

Synonyms : (R)-Cysteine Hydrochloride Hydrate ; 2-Amino-3-mercaptopropionic Acid Hydrochloride Hydrate ; Cystein Hydrochloride Hydrate ; Cysteine Hydrochloride Hydrate ; Cysteine Hydrochloride Monohydrate



CAS Number : 7048-04-6  
CAT Number : CP-1161509  
Molecular Formula : C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S · HCl · H<sub>2</sub>O  
Molecular Weight : 121.11 : 36.5 : 18.02

### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>98%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

### Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.