



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-CYSTEINE HYDROCHLORIDE (MONOHYDRATE)

CAS No : 7048-04-6
Mol. Formula : C₃H₇NO₂S.HCl.H₂O
Mol. WT : 175.64
Date of analysis : 05/03/24

Product code : 14040
Batch No. : MCR-27429-01
Mfd. : March 2024
Exp. : Feb. 2029

S.R	Test	Specification	Observation
1	Description	White to Colourless crystalline powder.	White crystalline powder.
2	Assay (On dried basis)	99% w/w min	99.90%
3	Specific rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 5.5 to + 6.5 ⁰	+ 5.99 ⁰
4	Loss on drying at 130°C	9.0-11.5%	9.24%
5	Sulphated ash	0.1% max	0.05%
6	Sulphate (SO ₄)	0.01% max	<0.01%
7	Iron (Fe)	0.001% max	<0.001%
8	Heavy metals (Pb)	0.001% max	<0.001%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

CHEMIST
(Asmita)

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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