

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-CYSTEINE FOR BIOCHEMISTRY

CAS No	: 52-90-4	Product code	: 14020
Mol. Formula	: C ₃ H ₇ NO ₂ S	Batch No.	: MCR-33358
Mol. WT	: 121.16	Mfd.	: March 2025
Date of Analysis	: 04/03/25	Exp.	: Feb. 2030

S.R	Test	Specification	Observation
1	Description	White to almost white crystalline powder.	White crystalline powder.
2	Assay(on dried basis)	99%w/w min	99.33%w/w
3	Sp. rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 6.5 ⁰ to + 8 ⁰	+6.99 ⁰
4	Loss on drying at 105°C	0.5 % max	0.28%
5	Chloride (Cl)	0.01% max	< 0.01%
6	Sulphate (SO ₄)	0.01% max	< 0.01%
7	Iron (Fe)	0.001% max	< 0.001%
8	Heavy metals (as Pb)	0.001% max	< 0.001%
9	Ammonium (NH ₄)	0.01% max	< 0.01%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Sayli)**



[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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