

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-29989
Mol. WT	: 121.16	Mfd.	: Dec. 2023
Date of Analysis	: 29/12/23	Exp.	: Nov. 2028

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	99.73%w/w
3	Sp. rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 6.5 ⁰ to + 8 ⁰	+7.5 ⁰
4	Loss on drying at 105°C	0.5 % max	0.12%
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]

[QC Incharge]

**CHEMIST
(Ruchi)**

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

Note: Computer generated image requires no sign.

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.