



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-CYSTEINE FOR BIOCHEMISTRY

CAS No	: 52- 90- 4	Product code	: 14020
Mol. Formula	: C₃H₇NO₂S	Batch No	: MCR-17512
Mol. WT	: 121.16	Mfd.	: Dec. 2018
Date of Analysis	: 15/12/18	Exp.	: Nov. 2023

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	99.53 %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	0.27%
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]

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

Note: Computer generated image requires no sign.

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