



CERTIFICATE OF ANALYSIS

Date: 08/07/18

PRODUCT NAME : L-CYSTEINE FOR BIOCHEMISTRY

CAS No : 52- 90- 4
Mol. Formula : $C_3H_7NO_2S$
Mol. WT : 121.16
Exp. : June 2023

Product code : 14020
Batch No : MCR-16443
Mfd . : July 2018

S. R	Test	Specification	Observation
1	Description	White powder or crystal or crystalline powder	White crystalline powder
2	Assay(on dried basis)	99%w/w min	99.18%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	0.2%
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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