



CERTIFICATE OF ANALYSIS

Date: 10/06/13

PRODUCT NAME : L-CYSTEINE FOR BIOCHEMISTRY

CAS No : 52- 90- 4

Mol. Formula : $C_3H_7NO_2S$

Mol. WT : 121.16

Product code : 14020

Batch No : MCR 6801

Mfd . : June 2013

S. R	Test	Specification	Observation
1	Assay(on dried basis)	99%w/w min	99.19%w/w
2	Sp. rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 6.5 ⁰ to + 8 ⁰	+7 ⁰
3	Loss on drying at 105°C	0.5 % max	0.15%
4	Chloride (Cl)	0.01% max	< 0.01%
5	Sulphate (SO ₄)	0.01% max	< 0.01%
6	Iron (Fe)	0.001% max	< 0.001%
7	Heavy metals (as Pb)	0.001% max	< 0.001%
8	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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