



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L-SERINE FOR BIOCHEMISTRY**

**CAS No : 56- 45- 1**  
**Mol. Formula : C<sub>3</sub>H<sub>7</sub>NO<sub>3</sub>**  
**Mol. WT : 105.09**  
**Date of Analysis : 02/05/23**

**Product code : 17820**  
**Batch No : MCR-16270-03**  
**Mfd. : May 2023**  
**Exp. : April 2028**

S. R	Test	Specification	Observation
1	Description	White to off white crystalline powder.	White crystalline powder.
2	Assay	99% min	99.57%
3	Specific rotation $[\alpha]^{20}_D(C=2, 5N HCl)$	+12 <sup>0</sup> to +16 <sup>0</sup>	+14.48 <sup>0</sup>
4	Sulphated ash	0.1% max.	0.007%
5	Iron(Fe)	0.001% max.	<0.001%
6	Heavy metals (as Pb)	0.001% max.	<0.001%
7	Loss on drying at 105 <sup>0</sup> C	0.5% max.	0.07%

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Ketaki)**

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

**Note:** Computer generated image requires no sign.

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