

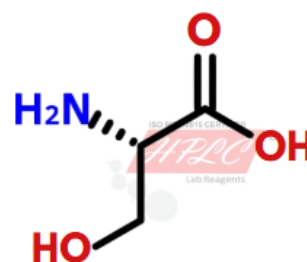


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## Product Specification

# L-SERINE 98.5% FOR BIOCHEMISTRY

**CAT. NO.** : 036558  
**GRADE** : LR  
**CAS NO.** : 56-45-1  
**FORMULA** :  $\text{CH}_2(\text{OH})\text{CH}(\text{NH}_2)\text{COOH}$   
**M.W.** : 105.1



Minimum assay (Non-aqueous) 98.5-101.0%  
 Specific rotation  $\alpha^{20}_{\text{D}}$   
 (C=10 in dil.HCl on dried sub.) +14° to +16°

### Maximum limits of impurities:

Loss on drying at 110° C	0.5%
Sulphated ash	0.1%
Ammonium ( $\text{NH}_4$ )	0.01%
Chloride (Cl)	0.01%
Sulphate ( $\text{SO}_4$ )	0.01%
Iron (Fe)	0.001%
Heavy metals (Pb)	0.001%

DATE: 01.07.2025

**Remarks:** The above-mentioned batch material is compliance with the standard specifications of High Purity Laboratory Chemicals Pvt. Ltd.



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