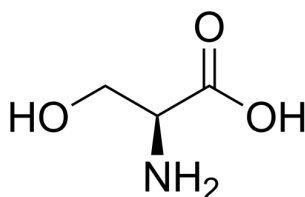


## Certificate of Analysis

### Compound Information

Product Name:	L-Serine
Cat. No.:	1036060
CAS No.:	56-45-1
Molecular Formula:	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>
Molecular Weight:	105.09
Chemical Structure:	



### Batch Information

Batch No.:	Lg0313212037
Storage:	Storage temp. 2-8°C
Test Date:	2023-03-13
Retest Date:	2026-03-12
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥98.0%
Water(KF):	0.08%
OR[α](C=1.00 g/100ml 1N/HCL):	14.4°
Residue on Ignition:	0.04%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai