



# BIO-CHEM CHEMICALS

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## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>L-SERINE 99%</b>
<b>Cas No.</b>	<b>56-45-1</b>
<b>Code No.</b>	<b>B-02295</b>
<b>Batch No.</b>	<b>BC09231533</b>
<b>Mfg.Date</b>	<b>SEP-2024</b>
<b>Date of Analysis</b>	<b>20/09/2024</b>
<b>Retest Date</b>	<b>AUG-2024</b>

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Appearance	White crystalline powder	White crystalline powder
Assay	Min 99%	99.16%
Specific optical rotation ([ $\alpha$ ] <sub>D</sub> <sup>20</sup> ; c=10; 2 M HCl)	+14° to +16°	+15°
Sulphated ash	Max 0.1%	0.04%
Iron (Fe)	Max 0.001%	0.0008%
Heavy metal (as Pb)	Max 0.001%	0.0002%
Loss on drying (at 105°C)	Max 0.5%	0.04%

REMARK: This product complies as per the specifications of **BIO-CHEM CHEMICALS**.

**This is an electronically generated certificate and is valid without a signature.**

For Issues relating to quality you may send us a mail on [info@biofinechemicals.com](mailto:info@biofinechemicals.com) or call on  
**+91-7404210730** Website- [www.biofinechemicals.com](http://www.biofinechemicals.com)