



# BIO-CHEM CHEMICALS

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## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>L-GLUTAMINE 99% FOR BIOCHEMISTRY</b>
<b>Code No.</b>	<b>B-01285</b>
<b>Batch No.</b>	<b>BC10221591</b>
<b>Mfg.Date</b>	<b>OCT-2024</b>
<b>Date of Analysis</b>	<b>18/10/2024</b>
<b>Retest Date</b>	<b>SEP-2029</b>

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Appearance	A white powder	A white powder
Assay (by HClO <sub>4</sub> titration)	Min 99%	99.68%
Specific optical rotation ([α] <sub>D</sub> <sup>20</sup> )	+32.3 to +33.3°	+32.5°
Heavy metal (as Pb)	Max 0.001%	Less than 0.001%
Ammonium (NH <sub>4</sub> )	Max 0.1%	Less than 0.1%
Foreign amino acids	Max 0.3%	Less than 0.3%
Other ninhydrin positive substances (as glycine)	Max 0.1%	Less than 0.1%

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)