



# BIO-CHEM CHEMICALS

Office Address: 5455, Nicholson Road Science Market , Ambala Cantt.133001 Haryana(India) ,  
Contact no: +91-8295241953, +91-7404210730

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>L-CITRULLINE 99% FOR BIOCHEMISTRY</b>
<b>Code / Cas No.</b>	<b>B-00826 / 372-75-8</b>
<b>Batch No.</b>	<b>BC10221531</b>
<b>Mfg.Date</b>	<b>OCT-2024</b>
<b>Date of Analysis</b>	<b>14/10/2024</b>
<b>Retest Date</b>	<b>SEP-2029</b>

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Appearance	White to off-white powder	Off white powder
Assay (by HClO <sub>4</sub> titration)	Min 99%	100.57%
Specific optical rotation (D <sub>20</sub> /D; 2% in 1 mol/L HCl)	+22.0 to +23.0 deg	+22.4127
Heavy metal (as Pb)	Max 0.001%	0.000047%
Ammonium (NH <sub>4</sub> )	Max 0.01%	0.0075%
Foreign amino acids	Max 0.3%	0.3%
Other ninhydrin positive substances (as glycine)	Max 0.1%	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)