



## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	:	<b>L-GLUTAMINE 99% FOR BIOCHEMISTRY</b>
<b>Code No.</b>	:	<b>01285</b>
<b>Batch No.</b>	:	<b>PC10221591</b>
<b>Mfg. Date</b>	:	<b>OCT-2022</b>
<b>Date Of Analysis</b>	:	<b>18/10/2022</b>
<b>Retest Date</b>	:	<b>SEP-2027</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 **Pallav Chemicals & Solvents Pvt. Ltd.**

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

For Issues relating to Quality you may send us a mail on [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com) or call on **022 4928 4000**

Website: [www.pallavchemicals.com](http://www.pallavchemicals.com)