



CERTIFICATE OF ANALYSIS

Product Name	:	L-GLUTAMINE 99% FOR BIOCHEMISTRY
Cas No.	:	56-85-9
Code No.	:	01285
Batch No.	:	PC10221591
Mfg. Date	:	OCT-2022
Date Of Analysis	:	18/10/2022
Retest Date	:	SEP-2027

TEST	SPECIFICATION	RESULT
Appearance	A white powder	A white powder
Assay (by HClO ₄ titration)	Min 99.0%	99.65%
Specific optical rotation ([α] _D ²⁰)	+32.3 to +33.3°	+32.5°
Heavy metal (as Pb)	Max 0.001%	0.0006%
Ammonium (NH ₄)	Max 0.1%	0.04%
Foreign amino acids	Max 0.3%	0.07%
Other ninhydrin positive substances (as glycine)	Max 0.1%	0.02%

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 or call on **022 4928 4000**

Website: www.pallavchemicals.com