



CERTIFICATE OF ANALYSIS

Product Name	:	L-GLUTAMIC ACID 99% FOR BACTERIOLOGY & TISSUE CULTURE
Cas No.	:	56-86-0
Code No.	:	01284
Batch No.	:	PC05230430
Mfg. Date	:	MAY-2023
Date Of Analysis	:	14/05/2023
Retest Date	:	APR-2028

TEST	SPECIFICATION	RESULT
Appearance	A white powder	A white powder
Assay (acidimetric)	Min 99%	99.28%
Specific optical rotation ($[\alpha]_{20}^D$; 100 g/L in 1 mol/L HCl; on dried substance)	+30.5 to +32.5°	+31.5°
Chloride (Cl)	Max 0.02%	0.0002%
Sulphate (SO ₄)	Max 0.03%	0.007%
Heavy metal (as Pb)	Max 0.001%	0.0003%
Iron (Fe)	Max 0.001%	0.0008%
Ammonium (NH ₄)	Max 0.02%	0.004%
Ninhydrin positive substance (TLC)	Max 0.5%	0.17%
Sulphated ash (at 600°C)	Max 0.1%	0.067%
Loss on drying (at 105°C)	Max 0.5%	0.15%

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