



CERTIFICATE OF ANALYSIS

Product Name	:	L-CYSTINE 98.5% FOR BIOCHEMISTRY
Cas No.	:	56-89-3
Code No.	:	00925
Batch No.	:	PC10231736
Mfg. Date	:	OCT-2023
Date Of Analysis	:	14/10/2023
Retest Date	:	SEP-2028

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder	Off white powder
Assay	98.5 - 101%	100.06%
Specific optical rotation ($[\alpha]_{20}^D$; 20 g/L in 1 mol/L HCl; on dried substance)	-218 to -224°	-222°
Chloride (Cl)	Max 0.05%	0.004%
Sulphate (SO ₄)	Max 0.03%	0.007%
Ammonium (NH ₄)	Max 0.02%	0.008%
Ninhydrin positive substance	Max 0.2%	0.06%
Loss on drying (at 110°C)	Max 0.5%	0.24%
Sulphated ash	Max 0.1%	0.014%
Iron (Fe)	Max 0.002%	0.0008%
Lead (Pb)	Max 0.001%	0.0003%

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