



CERTIFICATE OF ANALYSIS

Product Name	:	L-CYSTINE 98.5% FOR BIOCHEMISTRY
Code No.	:	00925
Batch No.	:	PC11221881
Mfg. Date	:	NOV-2022
Date Of Analysis	:	17/11/2022
Retest Date	:	OCT-2027

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder	Off white powder
Assay	98.5 – 101.0%	99.47%
Specific optical rotation ([α] _D ²⁰ ; 20 g/L in 1 mol/L HCl; on dried substance)	-218 to -224°	-220.5°
Chloride (Cl)	Max 0.05%	Less than 0.05%
Sulphate (SO ₄)	Max 0.03%	Less than 0.03%
Ammonium (NH ₄)	Max 0.02%	Less than 0.02%
Ninhydrin positive substance	Max 0.2%	Less than 0.2%
Loss on drying (at 110°C)	Max 0.5%	0.16%
Sulphated ash	Max 0.1%	0.074%
Iron (Fe)	Max 0.002%	Less than 0.002%
Lead (Pb)	Max 0.001%	Less than 0.001%

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