



CERTIFICATE OF ANALYSIS

Product Name	:	L-CYSTEINE 99% FOR BIOCHEMISTRY
Cas No.	:	52-90-4
Code No.	:	00923
Batch No.	:	PC05230426
Mfg. Date	:	MAY-2023
Date Of Analysis	:	18/05/2023
Retest Date	:	APR-2028

TEST	SPECIFICATION	RESULT
Appearance	Colorless crystalline powder	Colorless crystalline powder
Assay	Min. 99.0%	99.71%
Specific optical rotation ([α] _D ²⁰)	+8.0° to +9.0°	+8.0°
UV absorbance	Max. 0.5	0.23
Loss on drying (at 105°C; 4 hrs)	Max. 0.3%	0.16%
Chloride (Cl)	Max. 0.002%	0.0007%
Sulphate (SO ₄)	Max. 0.01%	0.002%
Heavy metal (as Pb)	Max. 0.001%	0.0008%
Ammonium (NH ₄)	Max. 0.01%	0.0071%
Foreign amino acids	Max. 0.5%	0.14%
Other ninhydrin positive substances (as glycine)	Max. 0.1%	0.023%

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