

**Manufacturers of Laboratory Fine Chemicals** 

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## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	:	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 ([?]20/D; 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 <sub>4</sub> )	Max 0.03%	Less than 0.03%
Ammonium (NH <sub>4</sub> )	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. Waunta,

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