



BIO-CHEM CHEMICALS

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CERTIFICATE OF ANALYSIS

Product Name	L-CYSTINE 98.5% FOR BIOCHEMISTRY
Cas No.	56-89-3
Code No.	B-00925
Batch No.	BC10231736
Mfg.Date	OCT-2024
Date of Analysis	14/10/2024
Retest Date	SEP-2029

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder	Off white powder
Assay	98.5 - 101.0%	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 **BIO-CHEM CHEMICALS**.

This is an electronically generated certificate and is valid without a signature.

For Issues relating to quality you may send us a mail on info@biofinechemicals.com or call on
+91-7404210730 Website- www.biofinechemicals.com