



BIO-CHEM CHEMICALS

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CERTIFICATE OF ANALYSIS

Product Name	L-LYSINE MONOHYDROCHLORIDE 98.5% FOR SYNTHESIS
Code No.	B-01576
Batch No.	BC03232812
Mfg.Date	MAR-2024
Date of Analysis	08/03/2024
Retest Date	FEB-2029

TEST	SPECIFICATION	RESULT
Appearance	White to off white crystals / crystalline powder	Off white crystals
Assay (by HClO ₄ titration; on anhydrous basis)	98.5 - 101.0%	98.59%
Identification	To comply USP test	Complies
Chloride content	19.0 -19.6%	19.37%
Specific optical rotation ([α] _D ²⁰ ; c=8 in HCl; on dried substance)	+20.4 to +21.4°	+20.4°
Loss on drying (at 105°C; 3 hrs)	Max 0.4%	0.38%
Residue on ignition	Max 0.1%	0.09%
Iron (Fe)	Max 0.003%	0.00118%
Heavy metal (as Pb)	Max 0.0015%	0.000122%
Sulphate (SO ₄)	Max 0.03%	0.02%
Chromatographic purity (by HPLC)	To comply USP test	Complies
Residual solvents	To meet the requirement	Complies

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