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Certificate of Analysis

Product	89361 - L-Lysine Monohydrochloride extrapure CHR, 99% - [657-27-2]
Batch No	9471968
Analysis Date	16-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028
Molecular Formula	C6H14N2O2.HCl
Molecular Weight	182.65

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (ex Cl)	min. 99%	99.1%
Specific rotation [α]	+19° to +21° (C = 2, 5N HCl)	+20.962°
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.03%
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/89361 Rev No. 3 Date 22/06/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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