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Certificate of Analysis

Product	30163 - L-Lysine (free base) Anhydrous extrapure, 98% - [56-87-1]
Batch No	1778058
Analysis Date	22-Oct-2022
Date of Manufacture	October 2022
Expiry Date/Re-Test Date	October 2027
Molecular Formula	C ₆ H ₁₄ N ₂ O ₂
Molecular Weight	146.20

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to pale yellow	Pale Yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless to pale yellow	Pale Yellow
Assay (NT)	min. 98%	98.3%
Melting Point	213 - 214°C	214°C
Specific rotation [α]	+25° to +26° [C=5, 5N HCL]	+25.2°C
Ammonium (NH ₄)	max. 0.01%	Passes
Water (KF)	max. 2%	1.7%

FRM/82/11/4/30163 Rev No. 2 Date 12/10/2022

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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