



**SISCO
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PVT. LTD.**

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Certificate of Analysis

Product

95173 - L-Lysine (free base) Anhydrous for cell culture, 98%, Endotoxin (BET) 0.05EU/mg - [56-87-1]

Batch No

6897080

Analysis Date

19-Oct-2022

Date of Manufacture

October 2022

Expiry Date/Re-Test Date

October 2027

Molecular Formula

C6H14N2O2

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 in 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless to pale yellow	Pale yellow
Assay	min. 98%	98.5%
Melting Point	213 - 214°C	213°C
Specific rotation $[\alpha]$	+25° to +26° [C=5, 5N HCl]	+25°
Ammonium (NH ₄)	max. 0.01%	Passes
Water (KF)	max. 2%	1.4%
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05EU/mg	Passes
Suitability for Cell Culture	Passes test	Passes

FRM/82/11/4/95173 Rev No. 1 Date 10/09/2022

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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