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Certificate of Analysis

Product	22527 - L-Lysine (free base) Anhydrous for tissue culture, 98% - [56-87-1]
Batch No	4018432
Analysis Date	19-Jul-2022
Date of Manufacture	July 2022
Expiry Date/Re-Test Date	July 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%
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/22527 Rev No. 1 Date 12/12/2018

Prepared by Komal

In compliance with the standard specifications of SRL

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

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