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Certificate of Analysis

Product	16509 - L-Histidine (base) for cell culture, 99%, Endotoxin (BET) 1EU/mg - [71-00-1]
Batch No	9631469
Analysis Date	24-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	C6H9N3O2
Molecular Weight	155.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay (NT)	min. 99.0%	99.4%
Loss on drying	max. 0.5 %	0.3%
Sulphated Ash	max. 0.1 %	0.04%
Specific rotation [α]	+12.6 to +14.0 ° (C=11, 6N HCl) @25°C	+12.800°
Chloride (Cl)	max. 0.01 %	Passes
Sulphate (SO ₄)	max. 0.01 %	Passes
Iron (Fe)	max. 0.001 %	Passes
Heavy Metals (Pb)	max. 0.001 %	Passes
Ammonium (NH ₄)	max. 0.01 %	Passes
Homogeneity by TLC	Passes test	Passes
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<1 EU/mg	Passes

FRM/82/11/4/16509 Rev No. 3 Date 27/03/2022

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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