



**SISCO
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Certificate of Analysis

Product	16178 - L-Arginine for tissue culture, 99% - [74-79-3]
Batch No	2983267
Analysis Date	24-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	C6H14N4O2
Molecular Weight	174.20

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 (NT)	min.99%	99.3%
Specific rotation $[\alpha]$	+26.2° to +27.2° (C=2, 5N HCl)	+26.297°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.03%
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 Tissue Culture	Passes test	Passes

FRM/82/11/4/16178 Rev No. 2 Date 11/07/2023

Prepared by Priti

In compliance with the standard specifications of SRL

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

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