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Certificate of Analysis

Product **55453 - L-Arginine Hydrochloride extrapure CHR, 99% - [1119-34-2]**
Batch No **9787283**
Analysis Date 30-Jun-2024
Date of Manufacture June 2024
Expiry Date/Re-Test Date June 2029
Molecular Formula C6H14N4O2.HCl
Molecular Weight 210.66

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Hygroscopic crystalline powder	Hygroscopic crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (NT)	min. 99%	99.5%
Specific rotation $[\alpha]$	+21° to +23° (C=5, 5N HCl)	+21.972°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.06%
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH4)	max. 0.01%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/55453 Rev No. 1 Date 01/11/2015

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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