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Certificate of Analysis

Product	86883 - L-Asparagine Monohydrate extrapure CHR, 99% - [5794-13-8]
Batch No	2000899
Analysis Date	10-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C4H8N2O3.H2O
Molecular Weight	150.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay (NT)	min. 99%	99.6%
Specific rotation $[\alpha]$	+33° to +36.5° (C=1, 6NHCl) on dry basis	+35.6°
Loss on drying	10.0 - 12.5%	11.9%
Sulphated Ash	max. 0.1%	0.05%
Chloride (Cl)	max. 0.02%	Passes
Sulphate (SO4)	max. 0.03%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH4)	max. 0.02%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/86883 Rev No. 2 Date 04/09/2023

Prepared by Vivek

In compliance with the standard specifications of SRL

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

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