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Certificate of Analysis

Product **44444 - L-Asparagine Monohydrate ExiPlus,
Multi-Compendial, 99% - [5794-13-8]**

Batch No **1958248**
Analysis Date 27-Jun-2022
Date of Manufacture June 2022
Expiry Date/Re-Test Date June 2027
Molecular Formula C₄H₈N₂O₃.H₂O
Molecular Weight 150.14

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Passes
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	min. 99%	99.7%
Specific rotation [α]	+32° to +34° {C=5, 5N HCl}	+32.8°
Loss on drying	10.0 - 12.5%	11.8%
Sulphated Ash	max. 0.1%	0.08%
Chloride (Cl)	max. 0.02%	Passes
Sulphate (SO ₄)	max. 0.03%	Passes
Iron (Fe)	max.0.001%	Passes
Heavy Metals (Pb)	max.0.001%	Passes
Ammonium (NH ₄)	max. 0.02%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/44444 Rev No. 1 Date 12/28/2017

Prepared by Yogesh

In compliance with the standard specifications of SRL

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

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