



**SISCO
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Certificate of Analysis

Product	92468 - L-Asparagine Monohydrate for tissue culture, 99% - [5794-13-8]
Batch No	2346714
Analysis Date	14-Aug-2022
Date of Manufacture	August 2022
Expiry Date/Re-Test Date	August 2027
Molecular Formula	C ₄ H ₈ N ₂ O ₃ .H ₂ O
Molecular Weight	150.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution in 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay	min. 99%	99.6%
Specific rotation [α]	+32° to +34° (C=5, 5N HCl)	+33.9°
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
Suitability for Tissue Culture	Passes test	Passes

FRM/82/11/4/92468 Rev No. 1 Date 07/23/2018

Prepared by Nilesh

In compliance with the standard specifications of SRL

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

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