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Certificate of Analysis

Product	62667 - L-Threonine for tissue culture, 99% - [72-19-5]
Batch No	4826377
Analysis Date	03-Aug-2023
Date of Manufacture	August 2023
Expiry Date/Re-Test Date	August 2028
Molecular Formula	C4H9NO3
Molecular Weight	119.12

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to cream	Off white
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay (NT)	min. 99%	99.2%
Specific rotation [α]	-29° to -27° (C=2, water)	-28.541°
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.02%
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	Passes

FRM/82/11/4/62667 Rev No. 1 Date 11/13/2018

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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