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Certificate of Analysis

Product	88355 - L-Threonine extrapure CHR, 99% - [72-19-5]
Batch No	2776858
Analysis Date	28-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	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%	99.4%
Specific rotation [α]	-29° to -27° (C=2,water)	-28.618°
Loss on drying	max. 0.5%	0.03%
Sulphated Ash	max. 0.1%	0.03%
Chloride (Cl)	max. 0.01%	Passes
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/82/11/4/88355 Rev No. 2 Date 27/12/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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