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Certificate of Analysis

Product	12859 - L-Valine extrapure CHR, 99% - [72-18-4]
Batch No	9442633
Analysis Date	28-Aug-2023
Date of Manufacture	August 2023
Expiry Date/Re-Test Date	August 2028
Molecular Formula	C ₅ H ₁₁ NO ₂
Molecular Weight	117.15

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	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]	+25° to +28.5° (C=2, 5N HCl)	+27.276°
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.04%
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
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/12859 Rev No. 1 Date 01/11/2015

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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