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Certificate of Analysis

Product	50683 - L-Alanine ExiPlus, Multi-Compendial, 99% - [56-41-7]
Batch No	9393221
Analysis Date	28-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028
Molecular Formula	C3H7NO2
Molecular Weight	89.09

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (NT)	min. 99%	99.3%
Specific rotation $[\alpha]$ @20°C	+14° to +16° (C=5, 1 N HCl)	+14.847°
Loss on drying	max. 0.5%	0.04%
Sulphated Ash	max. 0.1%	0.09%
Chloride (Cl)	max. 0.005%	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/82/11/4/50683 Rev No. 2 Date 08/11/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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