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Certificate of Analysis

Product	53457 - D-Serine extrapure, 99% - [312-84-5]
Batch No	4595543
Analysis Date	04-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C3H7NO3
Molecular Weight	105.1

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay	min. 99%	99.6%
Specific rotation [α]	-13° to -14° (C=5, 5N HCl)	-13.5°
Loss on drying	max. 0.3%	0.1%
Sulphated Ash	max. 0.1%	0.06%
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes
Not for medicinal use		

FRM/82/11/4/53457 Rev No. 2 Date 13/03/2021

Prepared by Amruta

In compliance with the standard specifications of SRL

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

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