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PVT. LTD.**

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Certificate of Analysis

Product	35139 - L-Proline extrapure CHR, 99% - [147-85-3]
Batch No	5310050
Analysis Date	27-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C5H9NO2
Molecular Weight	115.13

Test Parameters	Standards	Actual Results
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%	99.4%
Specific rotation [α]	-85.5° to -84° (C=2,Water)	-85.180°
Loss on drying	max. 0.5%	0.05%
Sulphated Ash	max. 0.1%	0.04%
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/82/11/4/35139 Rev No. 2 Date 23/06/2022

Prepared by Jayesh

In compliance with the standard specifications of SRL

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

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