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Certificate of Analysis

Product	61304 - D-Leucine extrapure, 99% - [328-38-1]
Batch No	4463987
Analysis Date	16-Oct-2022
Date of Manufacture	October 2022
Expiry Date/Re-Test Date	October 2027
Molecular Formula	C6H13NO2
Molecular Weight	131.20

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	min. 99%	99.1%
Specific rotation [α]	- 13.8° to -15.8° (C=5, 5N HCl)	-15°
Loss on drying	max. 0.3%	0.11%
Sulphated Ash	max. 0.1%	0.05%
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/61304 Rev No. 1 Date 01/11/2015

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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