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Certificate of Analysis

Product	63007 - L-Leucine extrapure CHR, 99% - [61-90-5]
Batch No	9983828
Analysis Date	07-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C6H13NO2
Molecular Weight	131.17

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
pH (1% aq. solution)	5.5 to 7.0	5.78
Assay (NT)	min. 99%	99.6%
Specific rotation $[\alpha]_{20^{\circ}\text{C}}$	+14.9 to 16°(C=4,6M HCl)	+15.701°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.02%
Chloride (Cl)	max. 0.02%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH4)	max. 0.02%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/63007 Rev No. 4 Date 15/06/2023

Prepared by Komal

In compliance with the standard specifications of SRL

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

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