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## Certificate of Analysis

<b>Product</b>	<b>26731 - L-Isoleucine extrapure CHR, 99% - [73-32-5]</b>
<b>Batch No</b>	<b>4434827</b>
<b>Analysis Date</b>	08-May-2024
<b>Date of Manufacture</b>	May 2024
<b>Expiry Date/Re-Test Date</b>	May 2029
<b>Molecular Formula</b>	C6H13NO2
<b>Molecular Weight</b>	131.17

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off - white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% solution in 6N HCl	Clear	Clear
Assay (NT)	min. 99%	99.6%
Specific rotation [ $\alpha$ ] @20°C	+39° to +41° (C=4, 6N HCl)	+39.995°
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.06%
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/82/11/4/26731 Rev No. 3 Date 07/10/2020

Prepared by Vivek

In compliance with the standard specifications of SRL

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

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