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## Certificate of Analysis

<b>Product</b>	<b>21562 - D-Valine extrapure CHR, 99% - [640-68-6]</b>
<b>Batch No</b>	<b>3537031</b>
<b>Analysis Date</b>	05-Feb-2024
<b>Date of Manufacture</b>	February 2024
<b>Expiry Date/Re-Test Date</b>	February 2029
<b>Molecular Formula</b>	C5H11NO2
<b>Molecular Weight</b>	117.15

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in 2N HCl	Clear	Clear
Solubility (Colour) 10% solution in 2N HCl	Colourless	Colourless
Assay (NT)	min. 99%	99.8%
Specific rotation [ $\alpha$ ]	-25° to -27° (C=5, 5NHCl)	-25.663°
Loss on drying	max. 0.3%	0.1%
Sulphated Ash	max. 0.1%	0.01%
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/21562 Rev No. 1 Date 10/30/2017

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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