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## Certificate of Analysis

<b>Product</b>	<b>64422 - D-Alanine extrapure CHR, 99% - [338-69-2]</b>
<b>Batch No</b>	<b>5245027</b>
<b>Analysis Date</b>	14-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	89.09

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	Off-white
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% aq. solution	Clear	Clear
Assay (NT)	min. 99%	99.2%
Specific rotation [ $\alpha$ ]	-13.5° to -15.5° (C=5, N HCl)	-13.983°
Loss on drying	max. 0.3%	0.2%
Sulphated Ash	max. 0.1%	0.06%
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/64422 Rev No. 2 Date 13/09/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 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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