

## Certificate of Analysis

Date of Testing: 2023-04-21 14:56:03

Date of Next Testing: 2027-04-20 14:56:03

Product Name: **D-Alanine**

CAS Number: 338-69-2

Specifications & Purity: 98%

Lot #: D2311098

SKU #: **A109095**

Version: **0**

Analysis #: **083331**

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=2 in 6 M HCl)	-15--13 (°)	-13.09°
Purity(HPLC)	98-100 (%)	99.98300%
Appearance (A109095)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , colorless and clear (50mg/ml)	pass	Pass



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QA & QC Manager