

Certificate of Analysis

Date of Testing: 2024-01-10 14:15:55

Date of Next Testing: 2028-01-09 14:15:55

Product Name: **DL-Alanine**

CAS Number: 302-72-7

Specifications & Purity: $\geq 99\%$

Lot #: A2408138

SKU #: **A100051**

Version: **1**

Analysis #: **179410**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Transmission(c=10, H ₂ O, 430 nm, 1 cm cell)	95-100 (%)	98.63 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.08 %
Sulfate Ash	0-0.1 (%)	0.03 %
Heavy metal (as Pb)	0-10 (ppm)	3.52 ppm
Loss on drying(105°C, 3h)	0-0.2 (%)	0.13 %
PH(2.5% ,25°C)	5.5-7	6.80
Appearance (A100051)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager