

Certificate of Analysis

Date of Testing: 2023-05-05 16:59:13

Date of Next Testing: 2027-05-04 16:59:13

Product Name: **DL-leucine**

CAS Number: 328-39-2

Specifications & Purity: $\geq 98\%$

Lot #: D2324895

SKU #: **L100046**

Version: **0**

Analysis #: **211818**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.14 %
Sulfate Ash	0-0.1 (%)	0.04 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.41 %
Heavy metal (as Pb)	0-20 (ppm)	3.04 ppm
Appearance (L100046)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless to Faint Yellow, Clear to hazy, 50 mg/ml	pass	Pass



John Su
QA & QC Manager