

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-17 10:14:08
Date of Next Testing: 2030-04-16 10:14:08
Product Name: **L-Proline**
CAS Number: 147-85-3
Specifications & Purity: $\geq 99\%$
Lot #: C2627569
SKU #: **P108709**
Version: **3**
Analysis #: **670786**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.9-12.5 (%)	12.18400 %
Ignition Residue	0-0.1 (%)	0.00000 %
Carbon by Elemental Analysis	51.1-53.2 (%)	51.89700 %
pH	5.9-6.9	6.39000
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.97000 %
Loss on drying	0-0.5 (%)	0.28740 %
Purity(HPLC)(CAD)	99-100 (%)	100.00000 %
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	-86--84 ($^{\circ}$)	-84.20000 $^{\circ}$
Appearance (P108709)	white crystals or crystalline powder or powder	white crystals or crystalline powder or powder
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager