

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-29 15:41:48

Date of Next Testing: 2030-08-28 15:41:48

Product Name: **L-Proline**

CAS Number: 147-85-3

Grades & Purity: Animal Free, USP, Ph.Eur., for cell culture, ≥99%

Lot #: H2624545

SKU #: **P120032**

Version: **1**

Analysis #: **765349**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.02 (%)	0.01000 %
PH(10% in water)	5.9-6.9	6.39000
Ignition Residue(Ash)	0-0.1 (%)	0.04500 %
Chloride (Cl ⁻)	0-0.02 (%)	0.01000 %
Heavy metal (as Pb)	0-10 (ppm)	5.00000 ppm
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)(calcd.on anh.substance)	-86--84 (°)	-84.20000 °
Endotoxin Assay	0-1 (EU/mg)	0.50000 EU/mg
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.01000 %
Specific Rotation [α] ₂₅ /D (USP: 25 °C in c=4 in H ₂ O)	-86.3--84.3 (°)	-85.30000 °
Iron(Fe)	0-10 (ppm)	3.80000 ppm
Loss on drying	0-0.3 (%)	0.16000 %
Purity(as dry basis)	98.5-101.5 (%)	100.00000 %
Appearance (P120032)	white powder	White powder
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-Positive Substances	Conforms	Conforms
Origin	non-animal source	non-animal source
Solubility in H ₂ O , clear colorless , 1 g / 10 ml in water	pass	Pass

John Su

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QA & QC Manager