

Specification Sheet

Product Name: **L-Proline**
Specifications & Purity: from non-animal source, meets EP, USP testing specifications, $\geq 99\%$, for cell culture
SKU # **P120032**

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