

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Alanine**
Specifications & Purity: Non-animal origin , EP, JP, USP ; for cell culture , 98.5 to 101.0%
SKU # **A118860**

Parameter	Limit Values
Sulfate(SO ₄ ²⁻)	0-0.02 (%)
Iron(Fe)	0-10 (ppm)
Heavy metal (as Pb)	0-10 (ppm)
Chloride	0-0.02 (%)
Endotoxin Assay	0-1 (EU/mg)
PH(5% in water)	5.7-6.7
Ammonia (NH ₄)	0-0.02 (%)
Specific Rotation[α] ₂₀ /D(c=10 in 6 M HCl at 20 °C in per EP	14.3-15.2 (°)
(As)Arsenic	0-1 (ppm)
Loss on drying	0-0.2 (%)
Ignition Residue	0-0.1 (%)
Appearance (A118860)	White Powder or Crystals
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Origin	non-animal source
Residual solvents	complies
Solubility in 2 M HCl	Colorless,Clear,1.0 g to 10 ml
Purity(Titration by HClO ₄)(Dry basis)	98.5 -101 (%)