

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	L-Serine
Specifications & Purity:	from non-animal source, meets EP, USP testing specifications, suitable for cell culture, 98.5-101.0%
SKU #	L476400

Parameter	Limit Values
Appearance(L476400)	White Powder
Solubility(0.5 g to 10 ml of H ₂ O)	Colorless Clear
Origin(Must be a non-animal source)	pass
Infrared spectrum	Conforms
Specific Rotation(25 deg C, C=10 in 2 M HCl, USP)	Conforms to Structure
Chloride Content	14.0-15.6 (°)
Ammonium (NH ₄)	0-0.02 (%)
Sulfate(SO ₄ ²⁻)	0-0.02 (%)
Iron(Fe)	0-0.02 (%)
Arsenic(As)	0-10 (ppm)
Loss on drying	0-1 (ppm)
Residue on ignition(Ash)	0-0.2 (%)
Ninhydrin-Positive Substances(other amino acids)	0-0.1 (%)
PH (10% Water)	Conforms
Assay(dry basis)	5.2-6.2
Residual Solvents	98.5-101.0 (%)
Endotoxin Assay	Meets Requirements
Cell Culture Test	0-1 (EU/mg)
	pass