

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Serine**
Specifications & Purity: Animal Free, USP, Moligand™, Ph.Eur., ≥98.5%
SKU #: **S137887**

Parameter	Limit Values
Chloride	0-0.02 (%)
Sulfate(SO42-)	0-0.02 (%)
Iron(Fe)	0-10 (ppm)
Heavy metals	0-10 (ppm)
Loss on drying	0-0.2 (%)
Ignition Residue(Ash)	0-0.1 (%)
(As)Arsenic	0-1 (ppm)
Ammonia (NH4)	0-0.02 (%)
Appearance (S137887)	White crystals or Crystalline powder
Origin	non-animal source
Solubility in H2O , Colorless Clear,0.5 g to 10 ml of H2O	pass
Proton NMR spectrum	Conforms to structure
Specific Rotation(25°C,C = 10 in 2 M HCl,USP)	14-15.6 (°)
Assay(Nonaqueous Titration anhydrous)	98.5-101.5 (%)
Specific rotation(20°C, C = 10 in 2 M HCl, EP)	14.4-15.5 (°)