

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Serine**
 Specifications & Purity: **Ultra Pure, ≥99.5% (NT)**
 SKU #: **S137888**

Parameter	Limit Values
Sodium(Na)	0-50 (ppm)
Chrome(Cr)	0-5 (ppm)
loss on drying, 20 °C (HV)	0-0.1 (%)
Cadmium(Cd)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Chloride (Cl-)	0-50 (ppm)
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	12.5-13 (°)
Strontium(Sr)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Sulfate(SO ₄ ²⁻)	0-50 (ppm)
Lead(Pb)	0-5 (ppm)
foreign amino acids	0-0.3 (%)
Molybdenum(Mo)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
UV Absorbance 260nm	0-0.05
Potassium(K)	0-50 (ppm)
(As)Arsenic	0-0.1 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Bismuth(Bi)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Purity((NT)	99.5-100.5 (%)
Nickel(Ni)	0-5 (ppm)
Calcium(Ca)	0-50 (ppm)
Manganese(Mn)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Ammonia (NH ₄)	0-100 (ppm)
Aluminum(Al)	0-5 (ppm)
UV Absorbance 280nm	0-0.05
Magnesium (Mg)	0-5 (ppm)
Appearance (S137888)	white powder or crystal powder
Insoluble matter	pass

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Parameter

Solubility in 1 M HCl, 0.5 M at 20 °C

λ, 0.5 M in 1 M HCl

Limit Values

pass

Pass