

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	L-Lysine monohydrate
Specifications & Purity:	Animal Free,BioReagent,for cell culture,Moligand™
SKU #	L478519

Parameter	Limit Values
Appearance(L478519)	white or pall yellow crystalline powder
Infrared spectrum	Conforms to Structure
specific rotation $[\alpha]_{25/D}(C=2, 6 \text{ M HCL})$	22-26 (°)
Water by Karl Fischer	10.0-11.5 (%)
Residue on Ignition	0-0.1 (%)
Chloride (Cl-)	0-0.03 (%)
Iron(Fe)	0-10 (ppm)
Heavy metal (as Pb)	0-10 (ppm)
Sulfate(SO42-)	0-0.03 (%)
Ninhydrin-positive substances (other amino acids)	Conforms
Assay(dry basis)	98.5-101.5 (%)
Ammonium (NH4)	0-0.02 (%)
Arsenic(As)	0-1 (ppm)
Cell Culture Test	pass
Endotoxin Assay	0-1 (EU/mg)