

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	L-Arginine
Specifications & Purity:	from non-animal source, meets EP, USP specifications, suitable for cell culture, 98.5-101.0%
SKU #	A118651

Parameter	Limit Values
Chloride (Cl ⁻)	0-0.05 (%)
Iron(Fe)	0-30 (ppm)
Heavy metals	0-10 (ppm)
Sulfate(SO ₄ ²⁻)	0-0.03 (%)
Nitrogen by Elemental Analysis	31.5-32.5 (%)
Loss on drying	0-0.5 (%)
Ignition Residue	0-0.3 (%)
Endotoxin Assay	0-1 (EU/mg)
pH	10.5-12
Purity(as dry basis)	98.5-101 (%)
Carbon by Elemental Analysis	40.5-41.5 (%)
Ammonia (NH ₄)	0-0.02 (%)
specific Rotation _{[α]₂₀/D(c=8 in 6M HCL)/EP}	26.9-27.9 (°)
Specific Rotation _{[α]₂₅/D(c=8 in 6M HCL/USP)}	26.3-27.7 (°)
Appearance (A118651)	White crystalline powder or powder to crystal
Cell Culture Test	pass
Identity by IR	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Origin	non-animal source
Proton NMR spectrum	Conforms to Structure
Residual solvents	complies
Solubility,1g/5ml water	Clear colorless