

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

## 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(SO42-)	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 (NH4)	0-0.02 (%)
specific Rotation $[\alpha]_{20/D(c=8 \text{ in } 6M \text{ HCL})/EP$	26.9-27.9 (°)
Specific Rotation $[\alpha]_{25/D(c=8 \text{ in } 6M \text{ HCL}/USP)$	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

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Phone: +86 400 620 6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Tax ID: 91310000685518645K