

## Specification Sheet

Product Name: **L-Arginine hydrochloride**  
Specifications & Purity: EP,JP,USP grade,≥98.5%,for cell culture  
SKU # **A103485**

Parameter	Limit Values
Loss on drying	0-0.2 (%)
Ammonia (NH <sub>4</sub> )	0-0.02 (%)
Heavy metal (as Pb)	0-10 (ppm)
Iron(Fe)	0-10 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Endotoxin Assay	0-1 (EU/mg)
Purity(titration with AgNO <sub>3</sub> )(dry basis)	98.5-100 (%)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)
PH test(1.0g in 10ml water)	4.7-6.2
(As)Arsenic	0-1 (ppm)
Specific Rotation [α] <sub>D</sub> <sup>20</sup> (c=8 in 6M HCl)	22.1-22.9 (°)
Appearance (A103485)	white crystalline powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Origin	non-animal source
Residual solvents	complies
Solubility in H <sub>2</sub> O , Colorless , Clear , 100 mg in 1 mL H <sub>2</sub> O	pass