

## Specification Sheet

Product Name	L-Arginine Hydrochloride(case no:1119-34-2)		
Packing	25Kg/Drum	Shelf Life:	24 Months

Analysis	Specification	Test methods
Description	White crystalline powder Or Crystalline Powder	USP32 -- <11>
Specific rotation $[\alpha]_D^{20}$	+21.4° to +23.6°	USP32 -- <781S>
Loss on drying	≤0.50%	USP32 -- <731>
Residue on ignition	≤0.10%	USP32 -- <281>
Chloride(Cl)	16.5% to 17.10%	USP32 -- <221>
Sulfate(SO <sub>4</sub> )	≤0.03%	USP32 -- <221>
Heavy Metals(Pb)	NMT 15PPM	USP32 -- <231> II
Lead(pb)	≤3ppm	USP32 -- <251>
As <sub>2</sub> O <sub>3</sub> (As)	≤0.5ppm	USP32 -- <211>
Mercury (Hg)	≤0.1ppm	USP32 -- <261>
Cadmium (Cd)	≤1ppm	USP32 -- <261>
Assay	98.5~101.5%	USP32 ----<621>
Total Plate count	<1000cfu/g	USP32 --<61>
Total Coliform count	<1000cfu/g	USP32 --<61>
Yeast & Mould	<1000cfu/g	USP32 --<61>
E.Coli	Negative	USP32 --<61>
Salmonella	Negative	USP32 --<61>
Chromatographic purity	Not more than 0.5% of any individual impurity is found & Not more than 2.0% of total impurities is found	USP32 -- <467>
PH	4.7 to 6.2	USP32 -- <791>
Conclusion	This product complies with USP32 standard	