

Certificate of Analysis

Product Name: **L-Arginine HCl**

Specification: **FCC/USP**

Batch No.: **TR20250314**

Quantity: **10,000 KGS**

Production Date: **Mar 14-2025**

Expiry Date: **Mar 14-2027**

Items	Unit	Standard	Results
Description	~	White crystals or crystalline powder, practically odorless	White crystalline powder, practically odorless
Identification	~	Infrared absorption uniformity	Conforms
Assay $\geq$	%	98.5~101.5	99.4
Loss on drying $\leq$	%	0.2	0.12
Residue on ignition $\leq$	%	0.1	0.06
Specific optical rotation $[\alpha]_D^{20}$	~	+21.4°~+23.6°	+22.3°
Chloride (Cl) $\leq$	%	16.5-17.1	16.9
Sulfate (SO ₄) $\leq$	%	0.03	<0.03
Heavy metals (Pb) $\leq$	%	0.002	<0.002
Individual impurities max $\leq$	%	0.5	Conforms
Total impurities $\leq$	%	2	Conforms

CONCLUSION: Agree with the specification of USP39.

PACKING: 25 KGS/Drum

STORAGE: Stored in a cool, dry environment, strictly prohibited storing and shipping with harmful toxic



TREERING GROUP LIMITED

Tel: +86 191 1634 4846 Email: info@treering.com.cn Website: www.treering.com.cn
Address: Room Q154, Building 7, No. 228 Jingle Road, Langxia Town, Jinshan District, Shanghai .