

CERTIFICATE OF ANALYSIS

Product Name	L-Arginine Hydrochloride	Specification	Company Standard
CAS No.	1119-34-2	Manufacture Date	2024.9.24
Quantity	1000KG	Analysis Date	2024.9.30
Batch No.	BF-240924	Expiry Date	2026.9.23

Items	Specifications	Results
Assay	98.50% ~ 101.50%	99.60%
Appearance	White crystalline powder	Complies
Identification	Infrared Absorption	Complies
Transmittance	≥ 98.0%	99.20%
pH	10.5 - 12.0	11.7
Specific Rotation(α) _D ²⁰	+26.9° to +27.9°	+27.0°
State of Solution	≥ 98.0%	98.70%
Loss on Drying	≤ 0.30%	0.13%
Residue on Ignition	≤ 0.10%	0.08%
Chloride (as Cl)	≤ 0.03%	< 0.02%
Sulfate (as SO ₄)	≤ 0.03%	< 0.01%
Heavy Metals (as Pb)	≤ 0.0015%	< 0.001%
Iron (Fe)	≤ 0.003%	< 0.001%
Package	25kg/paper drum.	
Storage	Store in a cool and dry place, keep away from strong light and heat.	
Shelf Life	Two years when properly stored.	
Conclusion	Conform with USP32 standard.	

Analyst: Jiayan Yang

Checked By: Fei Shen

Manager: Xiaoyu Wang

