

Certificate of Analysis

Product Name:	L-Arginine monohydrochloride
Product Number:	A10012
Lot Number:	C26PC940A
CAS:	1119-34-2
Formula:	C ₆ H ₁₄ N ₄ O ₂ ·HCl
Molecular Weight:	210.66
Storage at:	室温
Quality Release Date:	2026-06-06
Recommended retested date:	2031-06-05

Test	Specification	Result
Appearance	White powder	White powder
Solubility (50mg/1mL in H ₂ O)	Colorless Clear	Colorless Clear
Specific Rotation	+21.4 - +23.6 °	+22.45 °
Chloride	16.58 - 17.00%	16.72%
Ammonium	≤0.02%	<0.02%
Sulfate	≤0.02%	<0.02%
Iron(Fe)	≤10ppm	<10ppm
Heavy metals	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Loss on drying	≤0.2%	0.16%
Residue on ignition	≤0.1%	0.05%
Other amino acids	Conforms	Conforms
pH	4.7 - 6.2	5.5
Assay	≥98%	99.1%



Q.A Manager:

