



CERTIFICATE OF ANALYSIS

Product	L-Arginine, monohydrochloride
Grade	USP
Product Code	AB0206
Formula	$C_6H_{14}N_4O_2 \cdot HCl$
MW	210.66
CAS#	1119-34-2
Lot No	

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	
Identification (IR)	Concordant with the reference spectrum	
Purity	98.5-101.5%	
Specific rotation $[\alpha]_D^{20}$	+21.4° ~+23.6°	
Chloride (Cl)	16.5-17.1%	
Sulfate (SO ₄)	≤0.03%	
Heavy metals (as Pb)	≤20ppm	
Loss on drying	≤0.20%	
Residue on ignition	≤0.1%	
Chromatographic purity	Meets the requirements	

Storage: R.T.