



CERTIFICATE OF ANALYSIS

Product	L-Arginine free base
Grade	Ultra Pure
Product Code	AB0205
Formula	$C_6H_{14}N_4O_2$
MW	174.2
CAS#	74-79-3
Lot No	

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	
Identification (IR)	Concordant with the reference spectrum	
Assay	98.5-101.5%	
Specific rotation $[\alpha]_D^{20}$	+26.3°-+27.7°	
Chloride (Cl)	$\leq 0.05\%$	
Sulfate (SO ₄)	$\leq 0.03\%$	
Iron (Fe)	$\leq 30\text{ppm}$	
Heavy metals (Pb)	$\leq 15\text{ppm}$	
Loss on drying	$\leq 0.50\%$	
Residue on ignition	$\leq 0.30\%$	

Storage: R.T.