



CERTIFICATE OF ANALYSIS

Product	L-Aspartic
Grade	Ultra Pure
Product Code	AB0091
Formula	C ₄ H ₇ NO ₄
MW	133.11
CAS#	56-84-8
LOT#	

Test Items	Specifications	Results
Appearance	White to Off-white Crystalline Powder	
Solubility (Color)	Colorless to Very Faint Yellow	
Solubility (Turbidity)	Clear	
1.0g to 10ml, 1M HCl		
Identity by IR	Conforms to Structure	
Specific Rotation	+24.8° to +25.8°	
Chloride	≤0.02%	
Ammonium	≤0.02%	
Sulfate	≤0.02%	
Iron	≤10ppm	
Heavy metals	≤10ppm	
Arsenic	≤1ppm	
Loss on Drying	≤0.20%	
Residue on Ignition	≤0.10%	
Ninhydrin-Positive Substances	Conforms	
Residual Solvents Testing	Meets Requirements	
pH (0.5 in H ₂ O)	2.5 ~ 3.5	
Assay (Dried Basis)	98.5 ~ 101.0%	

Storage: Store at room temperature. Protect from moisture.