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## CERTIFICATE OF ANALYSIS

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

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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 <sub>2</sub> O)	2.5 ~ 3.5	
Assay ( Dried Basis)	98.5 ~ 101.0%	

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Storage: Store at room temperature. Protect from moisture.