


CERTIFICATE OF ANALYSIS

Product Name:	L-Arginine L-Pyroglutamate	Report Date:	Aug 04, 2017
Formula:	C ₁₁ H ₂₁ N ₅ O ₅	Batch No.:	170802
CAS No.:	56265-06-6	Manu. Date:	Aug 02, 2017
Inspection Standard:	AJI92	Exp. Date:	Aug 01, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation [α] _D ²⁰	+16.5° to +18.5°	+17.1°
Identification	Infrared Absorption	Conforms
State of solution (Transmittance)	Clear and colorless Not less than 95.0%	95.6%
Chloride(Cl)	Not more than 0.020%	<0.020%
Ammonium(NH ₄)	Not more than 0.02%	<0.02%
Sulfate(SO ₄)	Not more than 0.020%	<0.020%
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy Metals(Pb)	Not more than 10ppm	<10ppm
Arsenic	Not more than 1ppm	<1ppm
Other amino acids	Conforms	Conforms
Loss on drying	Not more than 0.50%	0.39%
Residue on ignition(sulfated)	Not more than 0.10%	0.08%
Assay	98.5% to 101.5%	99.2%
PH	6.0 to 7.0	6.4
Conclusion:	Conforms to the specifications of AJI92.	

Analyst: **侯健之**Auditor: **辽薛兰**Chief of QC: **于铁梅**