


CERTIFICATE OF ANALYSIS

Product Name:	L-Arginine L-Glutamate	Report Date:	Aug 04, 2017
Formula:	C ₁₁ H ₂₃ N ₅ O ₆	Batch No.:	170802
CAS No.:	4320-30-3	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 $[\alpha]_D^{20}$	+28.0° to +30.0°	+29.1°
Identification	Infrared Absorption	Conforms
State of solution (Transmittance)	Clear and colorless Not less than 98.0%	99.0%
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 0.030%	<0.030%
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
Water	Not more than 5.0%	3.90%
Residue on ignition (sulfated)	Not more than 0.20%	0.12%
Assay	98.5% to 101.0%	99.2%
PH	6.0 to 7.0	6.3
Conclusion:	Conforms to the specifications of AJI92.	

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