


CERTIFICATE OF ANALYSIS

Product Name:	L-Glutamic Acid HCl	Report Date:	Aug 04, 2017
Formula:	C ₅ H ₁₀ CLNO ₄	Batch No.:	170802
CAS No.:	138-15-8	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 $[\alpha]_D^{20}$	+25.2 to +25.8°	+25.24°
State of Solution (Transmittance)	Clear and Colorless Not Less Than 98.0%	98.5%
Chloride (Cl)	19.11 to 19.50%	19.23%
Sulfate (SO ₄)	Not more than 0.020%	<0.02%
Ammonium	Not more than 0.02%	<0.02%
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy Metals (Pb)	Not more than 10ppm	<10ppm
Arsenic	Not more than 1ppm	<1ppm
Other Amino Acids	Chromatographically Not Detectable	Conforms
Loss on drying	Not more than 0.50%	0.08%
Residue on ignition (sulfated)	Not more than 0.10%	0.05%
Assay	99.0-101.0%	99.1%
PH	1.0 to 2.0	1.5
Conclusion:	Conforms to the specifications of AJI92. 	

Analyst: 侯健之

Auditor: 辽薛兰

Chief of QC: 于铁梅