


CERTIFICATE OF ANALYSIS

Product Name:	N-Acetyl-L-Tryptophan	Report Date:	Aug 04, 2017
Formula:	C ₁₃ H ₁₄ N ₂ O ₃	Batch No.:	170802
CAS No.:	1218-34-4	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 $[\alpha]_D^{20}$	+25.8° to +27.0°	+26.1°
Identification	Infrared Absorption	Conforms
State of solution (Transmittance)	Clear and colorless Not less than 95.0%	98.0%
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 0.020%	<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	No spot	Conforms
Loss on drying	Not more than 0.20%	0.12%
Residue on ignition(sulfated)	Not more than 0.10%	0.04%
Assay	98.5% to 101.0%	99.2%
PH	2.0 to 3.5	2.8
Conclusion:	Conforms to the specifications of AJI92.	

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