


CERTIFICATE OF ANALYSIS

Product Name:	N-Acetyl-L-Hydroxyproline	Report Date:	Aug 04, 2017
Formula:	C ₇ H ₁₁ NO ₄	Batch No.:	170802
CAS No.:	33996-33-7	Manu. Date:	Aug 02, 2017
Inspection Standard:	In-house Standard	Exp. Date:	Aug 01, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation $[\alpha]_D^{20}$	-115° to -127°	-130.5°
State of solution (Transmittance)	Clear and colorless Not less than 95.0%	99.0%
Chloride(Cl)	Not more than 0.05%	<0.05%
Ammonium(NH ₄)	Not more than 0.020%	<0.020%
Sulfate(SO ₄)	Not more than 0.03%	<0.03%
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy Metals(Pb)	Not more than 10ppm	<10ppm
Arsenic	Not more than 1ppm	<1ppm
Loss on drying	Not more than 1.0%	0.25%
Residue on ignition(sulfated)	Not more than 0.2%	0.06%
Assay	98.5% to 101.0%	99.9%
Conclusion:	Conforms to the specifications of In-house Standard	

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