



**XI'AN HARMONIOUS NATURAL BIO-TECH CO.,LTD**

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## Certificate of Analysis

Product Name: L- lysin		
CAS No.: 56-87-1		
Quantity: 1000kgs		
Manufacture Date: 16th March,2017    Analysis Date: 24th Match, 2017		
Batch NO.: HNB170324-2		
Storage: Store in cool&dry place, in well-closed containers.		
Shelf life: 24 Months when properly stored.		
Reference Standard: USP 24		
ITEMS OF ANALYSIS	SPECIFICATIONS	RESULT
Specific optical rotation	+25.0° ~ +27.0°	+25.7°
Assay	98.5% ~101.0%	99.5%
PH	5.0 ~6.0	5.77
Loss on drying	≤5.0%	4.5%
Residue on ignition	≤0.20%	0.14%
Heavy Metals(Pb)	≤20ppm	6ppm
Chloride	≤0.1%	0.04%
Arsenic	≤1ppm	0.3ppm
Ammonium(asNH4)	≤0.10%	0.06%
Other amino acids	Chromatographically not detectable	Qualified
<b>Conclusion</b>	<b>Conforms to requirement of USD24 standard</b>	

QC MANAGER:

王翠月

INSPECTOR:

杨思远



ANALYST: 杜静