



无锡金海岸生物科技有限公司

WUXI JIN-HIGHER BIOTECH CO.,LTD

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-TRYPTOPHAN CAS NO:73-22-3  
 BATCH NO:LY \*\*\*\*\* SHELF LIFE: 1YEARS  
 PRODUCTION DATE: REPORT DATE:  
 STANDARD: AJI97 QUANTITY: 1000KGS

Tests	Limits	Test results
Description	white or white-like flakes	Conforms
Identification (IR)	concordant with the reference spectrum	Conforms
Assay	99.0~100.5%	99.2%
PH	5.5~6.4	5.7
Specific rotation $[\alpha]_D^{20}$	-30.5°~-32.5°	-32.2°
State of solution (Transmittance $T_{430}$ )	clear & colorless (≥95.0%)	96.2%
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH4)	≤0.02%	<0.02%
Sulfate(SO <sub>4</sub> )	≤0.02%	<0.02%
Iron(Fe)	≤20ppm	<20ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As)	≤1ppm	<1ppm
Lead	≤ 3ppm	<3ppm
Cadmium	≤1ppm	<1ppm
Mercury	≤0.1ppm	<0.1ppm
Other amino acids	conforms	conforms
Loss on drying	≤0.20%	0.18%
Residue on ignition	≤0.10%	0.08%
Total plate count	≤1000cfu/g	<1000cfu/g
Molds and Yeasts	≤100cfu/g	<100cfu/g
Escherichia Coli	Negative	Negative
Salmonella enteritica	Negative	Negative
Conclusion: Passed test according to the Standard of AJI97.		



Inspector:Guoqin Zou

Checker: Fengzhu Xu

Director:Deming Cao