



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-GLUTAMINE

CAS NO:56-85-9

BATCH NO: LZ \*\*\*\*\*

SHELF LIFE: 2YEARS

PRODUCTION DATE:

REPORT DATE:

STANDARD: AJI97

QUANTITY:1000KGS

Tests	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	99.0~101.0%	99.8%
PH	4.5~6.5	4.9
Specific rotation $[\alpha]_D^{20}$	+6.3°~+7.3°	+6.9°
State of solution (Transmittance $T_{430}$ )	clear & colorless ≥98.0%	98.9%
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH <sub>4</sub> )	≤0.01%	<0.01%
Sulfate(SO <sub>4</sub> )	≤0.02%	<0.02%
Iron(Fe)	≤10ppm	<10ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As)	≤1ppm	<1ppm
Lead	≤ 3ppm	<3ppm
Cadmium	≤1ppm	<1ppm
Mercury	≤0.1ppm	<0.1ppm
Other amino acids	≤0.5%	Conforms
Loss on drying	≤0.30%	0.10%
Residue on ignition	≤0.10%	0.03%
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