



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-Asparagine Monohydrate CAS NO: 70-47-3
 BATCH NO: LP ***** 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%	99.85%
PH	4. 4~6.4	4.80
Specific rotation $[\alpha]_D^{20}$	+34.3°~+36.5°	+35.20°
State of solution (Transmittance T_{430})	clear & colorless ≥98.0%	clear & colorless 99.20%
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH ₄)	≤0.01%	<0.01%
Sulfate(SO ₄)	≤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	Conforms	Conforms
Loss on drying	11.5%~12.5%	11.85%
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