



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: USP32 QUANTITY:1000KGS

Tests	Limits	Test results	Test method
Description	White crystals or crystalline powder	Conforms	Visual Method
Identification (IR)	Concordant with the reference spectrum	Conforms	USP<197K>
Specific rotation $[\alpha]_D^{25}$	+33.0°~+36.5°	+34.8°	USP<781S>
Assay	98.0~101.5%	99.9%	TLC
Loss on drying	11.5%~12.5%	12.2%	USP<731>
Residue on ignition	≤0.10%	0.06%	USP<281>
Lead	≤ 5ppm	<5ppm	USP<251>
Mercury	≤0.1ppm	<0.1ppm	USP<261>
Chromatographic purity	Individual: max0.5% Total: max1%	Conform	USP<621>
Total plate count	≤1000cfu/g	Conforms	USP<61>
Yeast and Moulds	≤100cfu/g	Conforms	USP<61>
Escherichia Coli	Negative	Negative	USP<62>
Salmonella enteritica	Negative	Negative	USP<62>
Conclusion: Passed test according to the Standard of USP32			



Inspector: Guoqin Zou

Checker: Fengzhu Xu

Director: Deming Cao