



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-GLUTAMIC ACID CAS NO:56-86-0
 BATCH NO: LF ***** SHELF LIFE: 2YEARS
 PRODUCTION DATE: REPORT DATE:
 STANDARD: FCC4 QUANTITY:1000KGS

Tests	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	98.5~101.5%	99.5%
Specific rotation $[\alpha]_D^{20}$	+31.5°~+32.5°	+31.8°
Arsenic(As)	≤3ppm	<3ppm
Heavy metals(Pb)	≤20ppm	<20ppm
Pb	≤10ppm	<10ppm
Arsenic(As)	≤1ppm	<1ppm
Cadmium	≤1ppm	<1ppm
Mercury	≤0.1ppm	<0.1ppm
Loss on drying	≤0.10%	0.08%
Residue on ignition	≤0.30%	0.10%
Total plate count	≤1000cfu/g	Conforms
Yeast and Moulds	≤100cfu/g	Conforms
E.Coli	Absent	Not-detected
Salmonella	Absent	Not-detected
Conclusion: Passed test according to the Standard of FCC4.		



Inspector:Guoqin Zou

Checker: Fengzhu Xu

Director:Deming Cao