



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-PHENYLALANINE CAS NO:63-91-2  
 BATCH NO: LD \*\*\*\*\* SHELF LIFE: 2YEARS  
 PRODUCTION DATE: REPORT DATE:  
 STANDARD: EP6 QUANTITY: 1000KGS

Tests	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	98.5~101.0%	99.5%
Specific rotation $[\alpha]_D^{20}$	-33.0°~-35.5°	-34.5°
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH <sub>4</sub> )	≤0.02%	<0.02%
Sulfate(SO <sub>4</sub> )	≤0.03%	<0.03%
Iron(Fe)	≤10ppm	<10ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As)	≤1ppm	<1ppm
Lead	≤3ppm	<3ppm
Cadmium	≤1ppm	<1ppm
Mercury	≤0.1ppm	<0.1ppm
Ninhydrin-positive substances	Conform	Conform
Loss on drying	≤0.50%	0.10%
Residue on ignition	≤0.10%	0.01%
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 EP6.



Inspector:Guoqin Zou

Checker: Fengzhu Xu

Director:Deming Cao