



无锡金海岸生物科技有限公司

WUXI JIN-HIGHER BIOTECH CO.,LTD

金海岸 214199 GANGXIA WUXI CHINA TEL:86-13961735501 FAX:86-510-88351375

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-PHENYLALANINE CAS NO:63-91-2
 BATCH NO: LD***** 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 $[\alpha]_D^{25}$	-32.7° ~ -34.7°	-34.47°	USP<781S>
Assay	98.5 ~ 101.5%	99.6%	TLC
PH	5.4 ~ 6.0	5.71	USP<704>
Loss on drying	≤0.30%	0.04%	USP<731>
Residue on ignition	≤0.40%	0.02%	USP<281>
Chloride(Cl)	≤0.05%	<0.05%	USP<234>
Sulfate(SO ₄)	≤0.03%	<0.03%	USP<221>
Iron(Fe)	≤30ppm	<30ppm	USP<241>
Heavy metals(Pb)	≤15ppm	<15ppm	USP<231>
Arsenic(As)	≤1ppm	<1ppm	USP<211>
Lead	≤ 3ppm	<3ppm	USP<251>
Mercury	≤0.1ppm	<0.1ppm	USP<261>
Chromatographic purity	Conforms	Conforms	USP<621>
Organic volatile impurities	Meets the requirements	Conforms	USP<467>
Total plate count	≤1000cfu/g	<1000cfu/g	USP<61>
Molds and Yeasts	≤100cfu/g	<100cfu/g	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

