



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-VALINE

CAS NO:72-18-4

BATCH NO: LB\*\*\*\*\*

SHELF LIFE: 2 YEARS

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%	99.8%
Specific rotation $[\alpha]_D^{20}$	+26.5°~+29.0°	+27.79°
State of solution (Transmittance T <sub>430</sub> )	clear & colorless ≥98.0%	clear & colorless 99.6%
Chloride(Cl)	≤200ppm	<200ppm
Ammonium(NH <sub>4</sub> )	≤200ppm	<200ppm
Sulfate(SO <sub>4</sub> )	≤300ppm	<300ppm
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%	0.14%
Residue on ignition	≤0.10%	0.02%
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

