



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-L-Lysine acetate

CAS 57282-49-2

Batch Number: **FTF20260317** Batch Quantity: 135kg

Manufacture Date: Mar.15th,2026 Analysis Date: Mar.16th,2026 Certificate Date: Mar.17th,2026

Storage Store in cool & dry place. Store in well-closed containers.
Shelf life 3 years when properly stored.

Test Item	Specification Standard	Test Result
Appearance	White crystalline powder, odorless	Complies
Purity (HPLC)	≥98.5%	99.21%
Specific Rotation $[\alpha]_{20/D}$	+18.5° ~ +22.5°	+20.8°
pH (10% Aqueous Solution)	6.5 ~ 7.5	7.02
Loss on Drying	≤1.0%	0.35%
Residue on Ignition	≤0.2%	0.08%
Chloride (Cl ⁻)	≤0.05%	0.012%
Heavy Metals (Pb)	≤10ppm	<10ppm
Arsenic (As)	≤2ppm	<2ppm
Total Plate Count	≤1000 CFU/g	280 CFU/g
Mold & Yeast	≤100 CFU/g	15 CFU/g
E. Coli	Negative	Negative
Solubility	Freely soluble in water	Complies

Conclusion: Conform with enterprise specification .

QC MANAGER: **刘娟** INSPECTOR: **黄子烨**

