



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-L-Cysteine

CAS: 52-90-4

Batch Number: *FTF0250304* Batch Quantity: 1800kg

Manufacture Date: Mar.02th,2025 Analysis Date: Mar.03th,2025 Certificate Date: Mar.04th,2025

Storage Store in cool & dry place. Store in well-closed containers.

Shelf life 3 years when properly stored.

Items	Standard	Result
Appearance	White crystals or crystalline powder	Complies
Identification	Meets the requirements	Complies
Specific Rotation[α]D20	+8.3° ~+9.5°	+8.9°
State Of Solution	≥95.0%	98.6%
Chloride(Cl)	≤0.04%	<0.04%
Ammonium(NH4)	≤0.02%	<0.02%
Sulfate(SO4)	≤0.030%	<0.030%
Iron(Fe)	≤10ppm	<10ppm
Heavy Metals(Pb)	≤10ppm	<10ppm
Arsenic(As203)	≤1ppm	<1ppm
Other Amino Acids	≤1.0%	Complies
Loss On Drying	≤0.5%	0.28%
Residue On Ignition	≤0.1%	0.07%
Assay	98.0~101.0%	99.5%
PH	4.5~5.5	5

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

