



湖北远大生命科学与技术有限责任公司  
HUBEI GRAND LIFE SCIENCE & TECHNOLOGY CO., LTD.

检验专用章  
SPECIAL STAMP FOR TESTING

湖北远大生命科学与技术有限责任公司  
HUBEI GRAND LIFE SCIENCE & TECHNOLOGY CO., LTD  
FUCHI TOWN, YANGXIN COUNTY, HUANGSHI CITY, HUBEI, CHINA

CERTIFICATE OF ANALYSIS

PRODUCT: L-carnitine  
BATCH NO.: LC-20251216  
REPORTED DATE: 2025/12/11

QUANTITY: 1000kg  
MANU DATE: DEC.10, 2025  
EXP DATE: DEC.09, 2027

Items	Specification		Results
Appearance	White Crystals Or White Crystalline Powder		White Crystalline Powder
Identification	Sample Map Is Consistent With Standard Map		Meets The Requirements
Assay(%)	97%~103%		99.9%
Specific Rotation°	-29.0°~-32.0°		-31.1°
pH	5.5~9.5		6.75
Water(%)	≤4.0%		0.07%
Residue On Ignition(%)	≤0.5%		0.08%
Chloride(%)	≤0.4%		Complies
Heavy Metal(Ppm)	≤20ppm		Complies
Sodium(%)	≤0.1%		<0.1%
Potassium(%)	≤0.20%		<0.2%
Arsenic As(Ppm)	≤1ppm		Complies
Residual Solvent(%)	Ethanol	Nmt 0.5%	0.07%
	Acetone	Nmt 0.5%	0.01%
Conclusion	Complies With The Requirements Of "Specification For L-Carnitine(Usp)".		

Auditor: Yuan Shuting 袁叔亭      Reviewer: Xiong Yan 熊雁      Reporter: Li Dan 李丹