

### CERTIFICATE OF ANALYSIS

Product Name	L-Ornithine	Country of Origin	China
Batch Number	SOST2023121501	Manu. Date	Dec, 15th, 2023
Batch Quantity	1,000kg	Expiration Date	Dec, 17th, 2025
Items	Specifications	Results	
Appearance	White crystals or crystalline powder	Complies	
Specific rotation	+23.0°~+25.0°	+23.64°	
PH	5.0-6.0	5.9	
Loss On Drying	≤ 0.2%	0.08%	
Ash	≤ 0.1%	0.07%	
Ammonium	≤ 0.02%	Complies	
Sulfate(SO <sub>4</sub> )	≤ 0.02%	Complies	
Iron	≤ 10ppm	Complies	
Heavy metals (Pb)	≤ 10ppm	Complies	
Assay (L-Ornithine), HPLC	99.0~101.0%	99.4%	
<b>Conclusion</b>	Complies with specification		
<b>Storage</b>	In cool & dry place. Keep away from strong light and heat.		
<b>Shelf life</b>	2 years when properly stored.		

QC MANAGER: Feng Li

ANALYST: Guo Shan

