

Certificate of Analysis

General Information			
Product Name	L-Cysteine	QTY	750kg
CAS No.	52-90-4	Batch #	C23120432
Production date	2023-12-04	Expire date	2025-12-03
Issue Date	2023-12-04		
Analysis			
Item	Specification	Result	
Assay(By HPLC)	98.5~101.0%	99.1%	
Appearance	White crystals or crystalline powder	Complies	
IR	consistent with the spectrum obtained with reference substance	Complies	
Specific rotation	+8.3°~ +9.5 °	+8.90°	
Transmittance	≥98.0%	99.1%	
Chloride	≤0.02%	≤0.02%	
Ammonium salt	≤0.02%	≤0.02%	
Sulfate	≤0.03%	≤0.03%	
Heavy Metals			
Total	≤ 10ppm	Complies	
Lead(Pb)	≤ 10ppm	Complies	
Arsenic(As)	≤ 1.0ppm	Complies	
Iron	≤ 10ppm	Complies	
Microbiological			
Total Plate Count	≤ 1,000cfu/g	Complies	
Fungi count	≤ 100cfu/g	Complies	
Yeast & Mold	≤ 100cfu/g	Complies	
E.Coli.	Negative	ND	
Salmonella	Negative	ND	
Package&Storage	Standard packed in fiber-drum outside and Food grade plastic bags inside. N.W: 25kgs, Size: 35x35xH51 cm;		
	Store in a cool,dry place away from Moisture, Light, Oxygen		
Manufacturer	Shaanxi Lifewe Bioengineering Co., Ltd.		

QC Manager: Lv Zhiwei

QA: Zhang Na