



Xi'an Green Spring Technology Co.,Ltd

Certificate Of Analysis

Product Name:	L-Glutathione Reduced	Batch Number:	2024091401GS
CAS No.:	70-18-8	Manufacture Date:	Sep.14,2024
Quantity:	550Kgs	Analysis Date:	Sep.17,2024
ITEMS	STANDARD	RESULTS	
Assay	98.0%-101.0%	99.25%	
Physical & Chemical			
Appearance	White Or Almost White Crystalline Powder	Complies	
Identification	IR	Complies	
Solution	Clear and Colourless	Complies	
Optical Rotation	-15.5*~-17.5*	-16.8*	
Ammonium	≤200ppm	Complies	
Chloride	≤200ppm	Complies	
Sulfate	≤300ppm	Complies	
Iron	≤10ppm	Complies	
Related Substances	Total impurities≤2.0%	1.25%	
	GSGG≤1.5%	0.6%	
Loss on Drying	≤0.5%	0.28%	
Sulfated Ash	≤0.1%	0.05%	
Bulk Density	≥0.2g/ml	0.372g/ml	
Tapped Density	≥0.4g/ml	0.617g/ml	
Heavy Metal			
Total Heavy Metals	≤10.0ppm	Complies	
As	≤1.0ppm	Complies	
Pb	≤3.0ppm	Complies	
Cd	≤1.0ppm	Complies	
Hg	≤1.0ppm	Complies	
Microbiological Test			
Total Plate Count	≤1,000cfu/g	Complies	
Yeast & Mold	≤100cfu/g	Complies	
E.coil	Negative	Negative	
Salmonella	Negative	Negative	
Staphylococcus	Negative	Negative	
Conclusion:Conforms with USP39.			
Storage:Stored in cool and dry places. Keep away from strong light and heat.			
Packing:By 25kgs/Drum,inner by plastic bag.			
Shelf Life:24 months under the above condition, and in it's original package.			

Quality Assurance: Liang Yan

Quality Control!