



西安锐博生物科技有限公司
Xi'an Rainbow Biotech Co.,Ltd

CERTIFICATE OF ANALYSIS

Product Name	L- Glutathione Reduced	Batch No.	B220668
Quantity	5KG	Packing	5 KG/DRUM
Date of Manufacture	JUN.07, 2022	Expiry Date	JUN.06, 2025
Inspection Standard	USP43		
Test Items	Specification	Result	
Description	A white crystalline powder	A white crystalline powder	
Assay (bas on dry)	98.0%~ 101.0%	98.8%	
Identification	IR	Similar with the Reference Spectrum	Complies
	Optical Rotation	- 15.5°~ - 17.5°	- 16.2°
Inorganic impurities	Ammonium	Not more than 200ppm	Complies
	Arsenic	Not more than 2ppm	Complies
	Chlorides	Not more than 200ppm	Complies
	Sulphates	Not more than 300ppm	Complies
	Heavy Metals	Not more than 10ppm	Complies
	Iron	Not more than 10ppm	Complies
	Cadmium	Not more than 1ppm	Complies
	Lead	Not more than 3ppm	Complies
	Mercury	Not more than 1ppm	Complies
	Residue on Ignition	Not more than 0. 1%	0.02%
Organic impurities	Total	Not more than 2.0%	0.98%
	GSSG	Not more than 1.5%	0.23%
Clarity and color of solution	Clear and Colorless	Clear and Colorless	
Residual solvents	Meet the requirement	Complies	
Loss on Drying	Not more than 0.5%	0.4%	
Microbiology	Total plate count	≤1000cfu/g	Complies
	Yeast and mold count	≤100cfu/g	Complies
	Total coliforms	≤100cfu/g	Complies
	E. coli	Absent/10g	Complies
	S. aureus	Absent/10g	Complies
	Salmonella	Absent/10g	Complies
Conclusion	Complies with the standard of USP43		

Packing & Storage:

Packed in paper-drums and two plastic-bags inside.N.W.:25kgs .I.D.35cm×H51cm

Store in a well-closed container Away from moisture.

QC: Shifu Lei

QA:Tao Ye

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