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CERTIFICATE OF ANALYSIS

Product Name		L-Glutathione Reduced	Batch No.	B200604
Quantity		100G	Packing	50G/BAG
Date of Manufacture		JUN.04, 2020	Expiry Date	JUN.03, 2023
Inspection Standard		USP41		
Test Items		Specification	Result	
Description		A white crystalline powder	A white crystalline powder	
Assay (bas on dry)		98.0%~ 101.0%	99.1%	
Identification	IR	Similar with the Reference Spectrum	Complies	
	Optical Rotation	-15.5°~-17.5°	-16.1°	
Inorganic impurities	Chlorides	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%	0.01%	
Organic impurities	Total	Not more than 2.0%	0.49%	
	GSSG	Not more than 1.5%	0.08%	
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%	0.2%	
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 USP41		

QC DIRECTOR: LI JILONG

CHECKER: LI HUILI

ANALYST: CHEN RONG