

CERTIFICATE OF ANALYSIS

Product name:	L-Glutathione Reduced		
CAS No:	70-18-8	Standard:	USP
Batch Number:	20220618	Manuf. Date:	Jun, 18, 2022
Quantity:	15.5kg	Expiration Date:	Jun, 17, 2024
Storage Condition:	Preserve in tight containers at controlled room temperature .		

TEST ITEM		SPECIFICATION	RESULTS
Description		White crystalline powder	White crystalline powder
Appearance of solution		Clear and colorless	Clear and colorless
Identification	IR	Similar with the Reference Spectrum	Conforms
	OR	-15.5° ~17.5°	-15.9°
Heavy metals		≤10ppm	Conforms
Arsenic		≤2ppm	Conforms
Iron		≤10ppm	Conforms
Sulfate		≤300ppm	Conforms
Ammonium		≤200ppm	Conforms
Cadmium		≤1ppm	Conforms
Lead		≤3ppm	Conforms
Mercury		≤1ppm	Conforms
Residue on ignition		≤0.1%	Conforms
Loss on drying		≤0.5%	0.2%
Related substances	Total impurities	≤2.0%	1.2%
	GSSG	≤1.5%	0.2%
Microbiology	Total Plate Count	≤1000cfu/g	Conforms
	Yeast & Mold	≤100cfu/g	Conforms
	Coliforms	≤30cfu/g	Conforms
	E.Coli	Negative/10g	Negative
	S.aureus	Negative/10g	Negative
	Salmonella	Negative/10g	Negative
Assay		98.0% ~ 101.0%	99.7%
Conclusion:		Conform with USP Standard.	

Tested by: Tiantian Wang

Approved by: Liu YuLian

