

CERTIFICATE OF ANALYSIS

Product Name: L-Glutathione Reduced **INCI Name:** GLUTATHIONE
Batch No.: ZYSW20230320 **Manufacture Date:** 03.20, 2023
Quantity: 650KG **Expired Date:** 03.19, 2025

Analysis Items	Specification	Result
Assay,(%)	98.0 to 101.0	98.5
Gross contamination,(%)	≤2.0	0.9
GSSG,(%)	≤1.5	0.2
Identification IR	HPLC RT	Conforms
Appearance	White to off-white powder	Conforms
Optical Rotation	-15.5° ~ -17.5°	-15.86°
Bulk density,(g/ml)	0.2-0.4	0.26
Loss on Drying,(%)	≤0.5	0.1
Residue on Ignition,(%)	≤0.1	0.05
Sulphates,(mg/kg)	≤300	Conforms
Ammonium,(mg/kg)	≤200	Conforms

Heavy metals

Iron,(mg/kg)	≤10	Conforms
Lead,(mg/kg)	≤3	Conforms
Arsenic,(mg/kg)	≤1	Conforms
Cadmium,(mg/kg)	≤1	Conforms
Mercury,(mg/kg)	≤0.1	Conforms

Microbiological

Total Plate Count,(cfu/g)	≤1000	Conforms
Yeast & Mold,(cfu/g)	≤100	Conforms
E.Coli	Absent/10g	Conforms
Salmonella	Absent/10g	Conforms

Conclusion: Conform to Specification.

Packing: Packed in paper-drums and two plastic-bags inside

Storage:Store in a well-closed container away from moisture direct light and heat.

Inspector:Liuqiang

Reexamining:Mianyunfeng

Verification: Qiudong