

Certificate of Analysis

Product name	L-Glutathione Reduced	CAS No.:	70-18-8
Batch No.	GSHR25013109	MFG Date	2025/01/31
EXP Date	2027/01/30	Quantity	300kg
Package:	25kg/drum	Standard:	In House

Items		Standard	Results
Appearance		A white crystalline powder	Conform
Identification	IR	Similar with the Reference Spectrum	Conform
	Optical Rotation	-15.5° ~ -17.5°	-16.3°
Clarity and color of solution		Clear and Colorless	Conform
Loss on drying		≤0.5%	0.3%
Residue on ignition		≤0.1%	0.04%
Heavy Metal (ppm)		≤10	< 10
Chloride		≤200ppm	< 200ppm
Sulfate		≤300ppm	< 300ppm
Ammonium		≤200ppm	< 200ppm
Iron		≤10ppm	< 10ppm
Arsenic		≤2ppm	< 2ppm
Heavy Metals		≤10ppm	< 10ppm
Cadmium		≤1ppm	< 1ppm
Lead		≤3ppm	< 3ppm
Mercury		≤1ppm	< 1ppm
Assay (on dry basis)		98.0%~ 101.0%	99.3%
Total plate count		≤1000cfu/g	Conform
Yeast and mold		≤100 cfu/g	Conform
Salmonella		Negative/10g	conform
Organic impurities	Total	≤2.0%	1.36%
	GSSG	≤1.5%	0.52%
Conclusion		The product complies to the Enterprise standard.	

