

Certificate of Analysis

L-glutathione Injection Grade

Cas No.	70-18-8	Molecular Formula	C10H17N3O6S
Molecular Weight	307.32	Reference Standard	USP
Batch No.	ZSGT240927	Manufacturing Date	March 7, 2026
		Expiration Date	March 6, 2028
Appearance	White to White Crystal powder	Country of Origin	China
Items	Specification	Result	Method
Appearance	White to off-white powder	Confirm	Observation
Solubility	Soluble in water, insoluble in ethanol or dichloromethane	Confirm	Observation
Specification Rotation	-15.5°~-17.5°	Confirm	USP <781S>
Endotoxin	<0.1 EU/μg	Confirm	
Peptide Purity	>98.0%	98.80%	HPLC USP<621>
Chemical Characteristics			
Heavy Metals	NMT 0.0001%	confirm	USP <231> Me USP <231> Method II
Arsenic (As)	NMT 10ppm	confirm	ICP-MS USP ICP-MS USP <233>
Mercury(Hg)	NMT 0.3ppm	confirm	ICP-MS USP ICP-MS USP <233>
Heavy Metals (Hplc), ppm	NMT 10	Not Detected	ICP-MS USP ICP-MS USP <233>
Microbiological Characteristics			
Total Plate Count	NMT1000cfu/g	confirm	USP<61>
Total Yeast & Mold	NMT100cfu/g	confirm	USP<61>
E. Coli	Negative	Negative	USP<62>
Salmonella	Negative	Negative	USP<62>

Conclusion	Conforms to standard . The product is for research or production use only, not for direct human use.
Packing and Storage	Store in dark and cool dry place, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.