

Certificate of Analysis

Product Name	Glutathione		
CAS No.	70-18-8	Batch No.	2024052701
Molecular Formula	C10H17N3O6S	Date of Producing	2024/05/27
Molecular Weight	307.3	Retest Date	2026/05/26
Date of Survey	2024/06/07	Condition of Storage	2~8°C
Reference Standard	Reference EP		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white crystalline powder or colourless crystals.	Conform
Solubility	Freely soluble in water,very slightly soluble in ethanol(96 percent)and methylene chloride.	Conform
Specific Optical Rotation	-15.5°to-17.5°	-16.7°
Transmittance	≥80.0%	92.2%
pH	2.5~3.5	2.8
Loss on drying	≤0.5%	0.4%
Residue on ignition	≤0.50%	0.07%
Heavy Metals(as Pb)	≤10ppm	<10ppm
Peptide Purity (By HPLC)	≥98.0%	98.7%

Conclusion:the product conforms with enterprise standard and qualified

For research use only. Direct human application is prohibited.

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker:** Bowen Yang