

**PEPTIDE
WORKS**

L-Glutathione

Certificate of Analysis

Product Name	Glutathione		
CAS No.	70-18-8	Batch No.	20260810045
Date of Producing	2026-08-10	Molecular Formula	C10H17N3O6S
Retest Date	2028-08-10	Molecular Weight	307.3
Condition of Storage	2~8℃		
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white crystalline powder	Conforms
Solubility	Freely soluble in water,very slightly soluble in ethanol(96 percent) and in methlene chloride	Conforms
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	≤0.5%	0.07%
Heavy Metals(as Pb)	≤10ppm	<10ppm
Peptide Purity (By HPLC)	≥98.0%	99.3%

Conclusion	Conforms to the Enterprise standard
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Analyst: Judy Lyons

Checker: Ken Holmes

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