CERTIFICATE OF ANALYSIS

Product: Glutathione (1500mg/vial)

Peptide Name	Glutathione	Molecular Formula	$C_{10}H_{17}N_3O_6S$
Molecular Weight	307.33	CAS No.	70-18-8
Lot Number	GT1500-20260810	Specifications	1500mg/vial
Manufacturing Date	2026/8/10	Report Date	2026/8/24
Re-test Date	2028/8/9	Storage Condition	-25°C to -5°C (Protect from light)

Tests	**Specifications**	**Results**
Appearance	White powder,No visible foreign bodies	Conforms
Solubility	Soluble in water	Conforms
Content determination (HPLC, per bottle)	1425.0mg ~ 1575.0mg	1477.32mg
Purity (HPLC)	≥99.0%	99.39%
Water Content (Karl Fischer)	≤3.0%	2.42%
pH	6.0 ~ 7.0	6.6
Related Substance (By HPLC)	Total Impurities (%) ≤1.0%	0.61%
	Largest Single Impurity (%) ≤0.5%	0.35%
Residual Solvents	Methanol：≤0.3%	N.D.
	Acetonitrile：≤0.041%	N.D.
	Ethyl Acetate：≤0.5%	N.D.
Heavy Metals	≤10ppm（Pb、As、Cd、Hg）	N.D.
Sterility Test	Aseptic growth should be ensured	Conforms
Bacterial Endotoxin	<5EU/mg	Conforms
Content Uniformity	shall comply with regulations	Conforms
Result(of inspection)	This product was tested according to corporate quality standards, with results conforming to regulations.	

Analyst: Wuyan Reviewed by: liuwenwen Authorized by: Zhang Ying

For research use only. Direct human application is prohibited.

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