



**PEPTIDE
WORKS**

Oxytocin

Certificate of Analysis

Product Name	Oxytocin		
CAS No.	50-56-6	Batch No.	20250923031
Date of Producing	2025-09-23	Molecular Formula	C ₄₃ H ₆₆ N ₁₂ O ₁₂ S ₂
Retest Date	2027-09-23	Molecular Weight	1007.19
Condition of Storage	2~8℃		
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conforms
Solubility	soluble in water	Conforms
Water Content (Karl Fischer)	≤5.0%	2.7%
Acetic Acid (By HPLC)	6.0%~10.0%	6.70%
Peptide Purity (By HPLC)	≥95.0%	98.1%
Related Substance (By HPLC)	Total Impurities(%)≤5.0%	1.9%
	Largest Single Impurity(%)≤1.5%	0.5%

Conclusion	Conforms to the Enterprise standard
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