Certificate Of Analysis

NO:026-O81-TSX

Peptide Name	Oxytocin		
Molecular Formula	$C_{43}H_{66}N_{12}O_{12}S_2$	**Manufacturing**	2026/09/04
Molecular Weight	1007.19 g/mol	**Report Date**	2026/09/09
CAS No.	50-56-6	**Re-test Date**	2028/09/04
Appearance	White powder	**Packing size**	1Kg/bag
Reference Standard	Reference Ch.p	**Storage conditions**	Cool dry place(-20°C, away from the light)
Sequence	c[Cys-Tyr-Ile-Gln-Asn-Cys]-Pro-Leu-Gly-NH2		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Purity(HPLC)	≥98.0%	99.01%
Acetate Content(HPLC)	≤12.0%	8.2%
Water Content (Karl Fischer)	≤8.0%	6.21%
Peptide Content (N%)	≥80.0%	83.6%
Mass Balance	95.0~105.0%	97.67%

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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