



Certificate of Analysis

TEST	SPECIFICATION	RESULT
Product Name	Oxytocin Acetate	
CAS. No.	50-56-6	Batch No. YSF240301
Molecular Formula	$C_{43}H_{66}N_{12}O_{12}S_2$	Molecular Weight 1007.19
Item No	YSOXY9	Manufacturing Date 03/11/2024
Storage	2 ~ 8°C	Retest Date 03/10/2026
Sequence	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂	
TEST	SPECIFICATION	RESULT
Appearance	White or almost white, hygroscopic powder	Conforms
Solubility	Very soluble in water and dilute solution of 12% acetic and of 96% ethanol	Conforms
Solution Clarity	Clear, colourless	Conforms
Molecular Ion Mass	1007.19±1	1007.1
Amino Acid Composition	Asp:0.90~1.0 Glu:0.90~1.0 Pro:0.90~1.0 Gly:0.90~1.0 Leu:0.90~1.0 Ile: 0.90~1.10 Tyr:0.70~1.05 Cys:1.40~2.10	Conforms
PH	3.0~6.0	4.8
Peptide Purity (By HPLC)	>95.0%	99.2%
Acetic Acid(By HPLC)	6~10%	8.2%
Water Content(Karl Fischer)	<8.0%	2.8%
Bacterial Endotoxins	<300 EU/mg	Conforms
Biological Activity	>400 IU/mg	544 IU/mg
Microbial Counts		
Total bacterial count	<200CFU/g	10CFU/g
Escherichia Coli	N.D.	Conforms
Pseudomonas Aeruginosa	N.D.	Conforms
Staphylococcus Aureus	N.D.	Conforms