



Certificate of analysis

Product name: Oxytocin

Cas number: 50-56-6

Molecular Formula: C₄₃H₆₆N₁₂O₁₂S₂

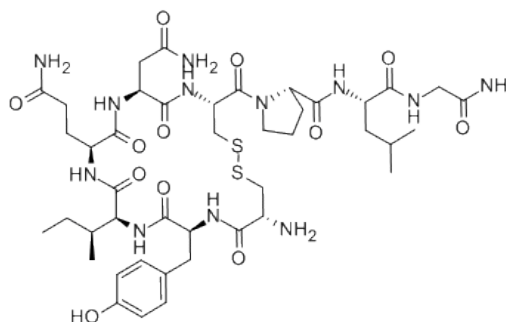
Molecular Weight: 1007.19

Date of production: Mar. 29, 2019

Batch No: 20190329

Exp Date: Mar. 28, 2021

Chemical structure:



Items	Specifications	Results
Description	White or almost white powder	white powder
Identification(HPLC)	Retention time conforms to that of reference	complies
Solubility	Very soluble in water. It dissolves in dilute solutions of acetic acid and of ethanol (96%)	complies
Water (KF)	≤5.0%	1.6%
PH	3.0-6.0	4.8
Related substance	Individual ≤1.5%	0.7%
	Together ≤5.0%	1.5%
Amino acids	Asp 0.90~1.10	complies
	Glu 0.90~1.10	
	Pro 0.90~1.10	
	Gly 0.90~1.10	
	Leu 0.90~1.10	
	Ile 0.90~1.10	
	Tyr 0.70~1.05	
	Half-Cys 1.40~2.10	
Acetic acid	6.0%-10.0%	8.2%
Bacterial endotoxins	<300 IU/mg	complies
Bacterial count	≤100CFU/g	complies
Assay	93.0%~102.0%	96.2%
Activity	≥480IU/mg	≥520IU/mg

Conclusion: It complies with the USP37 or EP8.0 Standard.