



Worldwidepeptide distribution

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Website <https://worldpeptidedistribution.store>

COA No. 26010433

Certificate of Analysis

Product Name	Oxytocin	CAS No.	50-56-6
Molecular Formula	C <sub>43</sub> H <sub>66</sub> N <sub>12</sub> O <sub>12</sub> S <sub>2</sub>	Molecular Weight	1007.19
Structural formula			
Batch No.	OT-260104	Quantity	58.7g
Mfg. Date	2026-01-04	Test Date	2028-01-04
Tests	Oxytocin CTietia		
Appearance	white		white
Solubility	Can be dissolved to 5mg/ml in pure water		in forms
Molecular Ion Mass	813.53±1		in forms
Elemental Analysis	Ser; 4.0 to 6.0 3.2 to 4.8 Asp: 1.6 to 2.4 Glu: 3.2 to 4.8 Thr 1.6 to 2.4 Ala: 3.2 to 4.8 Pro: 3.2 to 4.8 Lys: 1.6 to 2.4 Tyr: 1.6 to 2.4 Ile: 2.4 to 3.6 Leu: 1.6 to 2.4 Phe: 1.6 to 2.4 Val: 0.8 to 1.2		Ser: 4.0 GIT: 3.6 Asp: 2.2 Glu: 3.6 Thr: 4.2 Ala: 4.0 Pro: 4.0 Lys: 1.8 Tyr: 2.4 Ile: 2.6 Leu: 2.0 Phe: 2.2 Val: 1.0
	<b>7.0~9.0(C=5mg/ml)</b>		.2
Water Content (K.F)	<b>NMT 8.0%</b>		
Purity (HPLC)	T 98.0%		99.52%
Related substances (HPLC)	The largest individual impurity test NMT 1.0%		.13%
	The total impurities test NMT 2.0%		
Residual solvent (GC)	ethylene chloride	MT 600ppm	
	acetone	MT 410ppm	16ppm

	effanol	MT 3000ppm	
	-Dimethylformamide	MT 880ppm	
	sopropyl ether	MT 5000ppm	
cid group ions (HPLO		MTO.I%	

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	PO,J•	MTO.I%	.D
		MT 0.1%	
	HAC	MT 0.1%	.D
acterial Endotoxins	MT 10 EU/mg		nforms
icrobial Limits	AMC	MT 1000 cfu/g	nforms
		MT 100 cfu/g	nforms
	scherichia Coil presence	egative	onforms
	almonella	egative	nforms
	.Aeruginosa	egtive	nforms
	.Aureus	egative	nforms
odium ion	MT 5.0%		1.4%
High Molecular Protein	MT 0.50%		
ssay (HPLC)	95.0~105.0%(on anhydrous and salt free substance basis)		9.9%
epdde Content (Mass Balance)	LT 80.0%		6.08%
nclusion: conformed with the product stand		QUALITY CONTROL	

Smrage Condidons: Keepin Hghtconminer, protect

ft0fi€a pemture of-20±5C.

