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COA

No.:26010911 Certificate of Analysis

Product Name	Sermorelin	No.	114466-38-5
Molecular Formula	C149H246N44O42S	Molecular Weight	3357.91
Structural formula			
Batch No.	so-260109	Quantity	50.8g
Mfg. Date	2026-01-09	Expiry Date	2028-01-09
Tests	Accepted by terzia		Tests
Appearance	white		white
Solubility	Can be dissolved to 5mg/ml in pure water		no foams
Molecular Ion Mass	813.53±1		no foams
Elemental Analysis	Ser: 4.0 to 6.0 GIF 3.2 to 4.8 Asp: 1.6 to 2.4 Glu: 3.2 to 4.8 1.6 to Ala: 3.2 to 4.8 Pro: 3.2 to 4.8 Lys: 1.6 to 2.4 Tyr: 1.6 to 2.4 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 Ala: 4.2 Pro: 4.0 Lys: 1.8 Tyr: 2.4 Leu: 2.0 Phe: 2.2 Val: 1.0
	7.0~9.0(C=5mg/ml)		
Water Content (K.F)	MT 8.0%		
Purity (HPLC)	LT 98.0%		99.67%
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	
	acetonitrile	MT 410ppm	16ppm
	ethanol	MT 3000ppm	
	-Dimethylformamide	MT 880ppm	

	sopropyl ether	MT 5000ppm	
cid group ions (HPLC)		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.

