

CHEM RESEARCH LTD

Certificate of Analysis			
Product Name	Tesamorelin		
CAS. NO.	218949-48-5	Batch No.	TS-250511
Molecular Formula	C ₂₂₁ H ₃₆₆ N ₇₂ O ₆₇ S	Molecular Weight	5135.77
Mfg. Date	2025.05.11	Retest Date	2027.05.10
Report Date	2025.05.12	Quantity	234g
Sequence: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH ₂			
Items		Specification	Result
1	Appearance	White to off white powder	White powder
2	Solubility	Freely soluble in water	Conforms
3	Identity (Mass Spectrometry)	5135.5 – 5136.5 Da	5135.9 Da
4	Water Content (K.F)	≤8.0%	3.8%
5	Acetate Content	4.0-10.0 %	7.8 %
6	Purity (by HPLC)	≥99.0%	99.42%
7	Related substance (by HPLC)	Total Impurities ≤2.0%	0.31%
		Largest single impurity ≤1.0%	0.21%
8	Bacterial Endotoxins	< 10 EU/mg	Conforms
9	Residual Solvents	Acetonitrile ≤ 410ppm	38ppm
10	Peptide Content	≥80.0%	87.5%
Storage	Preserve in an air tight container, protected from light at a temperature of -25°C-15°C		
Conclusion	The product tested Conform with In-house standard		
Remark	It is only supplied as chemical product		