

Certificate of Analysis

Product	Tesamorelin	CAS No. :	218949- 48- 5
Product No. :	TES	Molecular Formula	C ₂₂₁ H ₃₆₆ N ₇₂ O ₆₇
Sequence	Tyr- Aib- Gln- Gly- Thr- Phe- Thr - Ser- Asp- Tyr- Ser- Ile- α MeLeu- Leu- Asp- Lys- Lys- Glu- Il e- Gln- Asp- Gly- Gly- Pro- Ser- S er- Gly- Ala- Pro- Pro- Pro- Ser- NH ₂		
Batch No.	TES- 26031501	Quantity	1275.0g
Mfg. Date	Mar. 12 th , 2026	Retest Date	Mar. 12 th , 2028
【ITEMS】	【SPECIFICATIONS】		【RESULTS】
Appearance	White or almost white loose powder		White loose powder
Solubility	Soluble in water		Conforms
Solution clarity and color	Clear and colorless liquid(C=30mg/ml)		Conforms
Identification- HPLC	The retention time of the principal peak of the test solution corresponds to that of the reference solution, as obtained in the Assay.		Conforms
Identification- Mass spectrum	3357.8±1.0		3357.7
Amino acid content	Tyr:2.7~3.3 Aib:1.8~2.2 Gln:4.5~5.5 Gly:3.6~4.4 Thr:1.8~2.2 Phe:1.8~2.2 Ser:4.5~5.5 Asp:1.8~2.2 Ile:1.8~2.2 α MeLeu:0.9~1.1 Leu:2.7~3.3 Lys:1.8~2.2 Ala:2.7~3.3 Pro:3.6~4.4 AEEA:Should be detected		Tyr:3.0 Aib:2.0 Gln:5.0 Gly:4.1 Thr:2.0 Phe:2.0 Ser:4.9 Asp:2.0 Ile:2.0 α MeLeu:1.0 Leu:3.0 Lys:2.0 Ala:3.0 Pro:4.0 Conforms
【ITEMS】	【SPECIFICATIONS】		【RESULTS】



Related substances (HPLC)	Largest peak Detected:NMT 0.5% Total Peaks Detected:NMT 2.0%	0.17% 0.78%
Purity (HPLC)	NLT 98.0%	99.20%
pH	6.5~8.5	7.3
Acid group ions	Trifluoroacetate ion NMT 0.5% Acetate ion NMT 0.5%	N. D N. D
Water content (KF)	NMT 8.0%	3.80%
Sodium ion	1.0~2.0%	1.60%
Peptide content	NLT 90.0%	93.70%
Oligomer	NMT 0.5%	N. D
Residual solvent	Methylene chloride NMT 600ppm Acetonitrile NMT 410ppm Methyl tert- butyl ether NMT 5000 ppm DMF NMT 880ppm	N. D 66ppm N. D N. D
Bacterial endotoxins	NMT 5EU/mg	<3EU/mg
Microbial Limits	Total aerobic bacteria ≤ 100 cfu/g Mould & Yeast ≤ 10 cfu/g Bile tolerant enterobacteria: absence in 1g Pseudomonas aeruginosa: absence in 1g Staphylococcus aureus: absence in 1g	Conforms Conforms absent absent absent
Assay	95.0- 105.0% (Calculated on anhydrous, ion- free basis)	99.00%
Storage	Keep in tight container, protect from light, store at a temperature of $-20 \pm 5^{\circ}\text{C}$	
Report	Li peng	Date: Mar. 13, 2026
Reviewer	Pang Hailun	Date: Mar. 13, 2026



Conclusion This batch of product complies with Enterprise Standard.
It is only

