

Certificate of Analysis			
Product	Tesamorelin	CAS No.	218949-48-5
Product No.	LJTM001	Batch No.	LJTM2026071901
Date of Mfg	2026/07/19	Retest Date	2028/07/18
Test Method		Quantity	5.2kg
Storage Conditions	Protected from light, sealed, store at -20℃ ± 5℃		

Test	Acceptance Criteria	Results
Appearance	White or off-white Powder	White Powder
Identification By MS	5135.90±5.0	Conforms
Purity	≥98.0%	99.1%
Trifluoroacetic acid	≤0.5%	Not detected
Residual solvent	Methanol≤0.3%	0.002%
	Acetonitrile≤0.041%	0.013%
	DMF≤0.088%	Not detected
Amino Acid Profile	Tyr 1.8～2.2	2.1
	Ala 4.5～5.5	5.1
	Asp 3.6～4.4	3.8
	Ile 1.8～2.2	1.9
	Phe 0.9～1.1	1.0
	Thr 0.9～1.1	1.1
	Ser 3.6～4.4	4.2
	Arg 5.4～6.6	6.2
	Lys 1.8～2.2	2.0

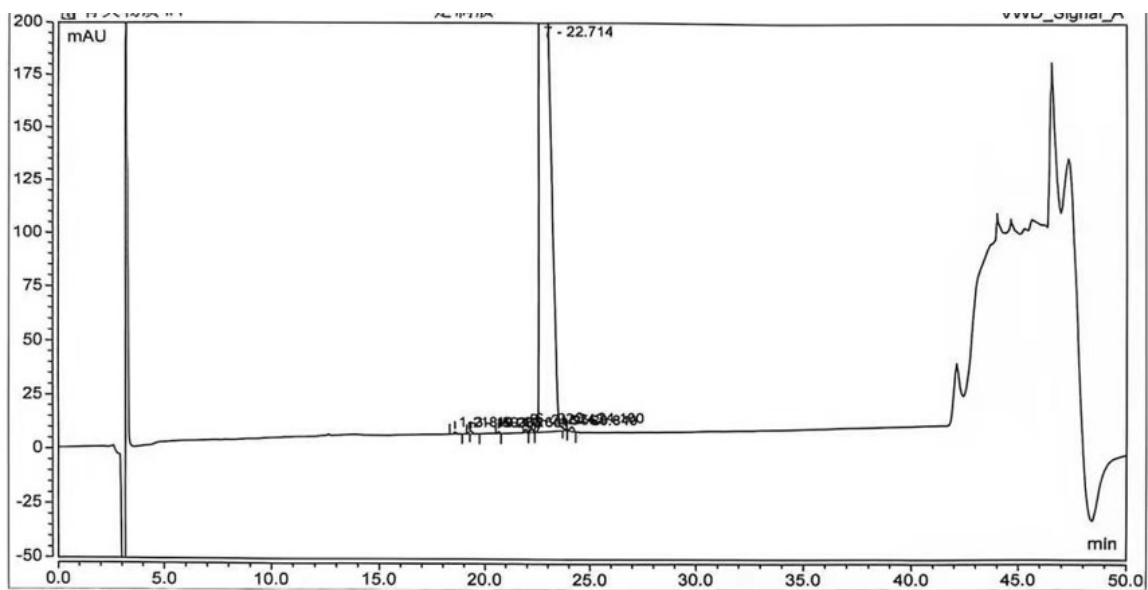
	Val 0.9~1.1	1.0
	Leu 4.5~5.5	4.8
	Gly 2.7~3.3	2.9
	Glu 6.3~7.7	6.8
	Met 0.9~1.1	1.0
Related Substances	Largest Single Impurity $\leq 0.3\%$	0.24%
	Total Impurities $\leq 2.0\%$	0.89%
Water content	$\leq 7.0\%$	3.4%
Acetate Acid	$\leq 10.0\%$	8.8%
Peptide Content	$\geq 80.0\%$	87%
Microbial Limit	Total aerobic bacteria $\leq 100\text{cfu/g}$	Conforms
	Mould & Yeast $\leq 100\text{cfu/g}$	Conforms
Bacterial Endotoxin	$\leq 5\text{EU/mg}$	Conforms
Conclusion	☒ Meet the requirements ☐ Do not meet the requirements	
Remarks	It is only supplied as chemical product. It is only for R&D use.	

Reporter/Date: 张洁 2026/07/23

Approver/Date: 刘辉 2026/07/23



HPLC:



积分结果								
序号	保留时间 min	峰面积 mAU*min	峰类型	峰高 mAU	不对称度 (EP)	相对峰面积 %	塔板数 (EP)	分离度 (EP)
1	18.593	0.144	BMB	1.222	1.541	0.082	233120	n.a.
2	19.263	0.097	BM	1.072	n.a.	0.056	n.a.	n.a.
3	19.360	0.153	MB	1.217	n.a.	0.088	n.a.	n.a.
4	20.651	0.111	BMB	1.149	1.044	0.064	279364	8.411
5	21.956	0.202	BMB	2.102	1.046	0.116	321081	1.815
6	22.243	0.271	BM	2.670	1.072	0.156	304211	1.002
7	22.714	172.651	M	370.600	4.081	99.115	13553	n.a.
8	23.849	0.147	MB	0.642	n.a.	0.084	n.a.	n.a.
9	24.160	0.418	BMB	2.243	0.990	0.240	98363	n.a.
总和:		174.193	0.000	382.917	9.774	100.000	1249692	11.229