Certificate of Analysis

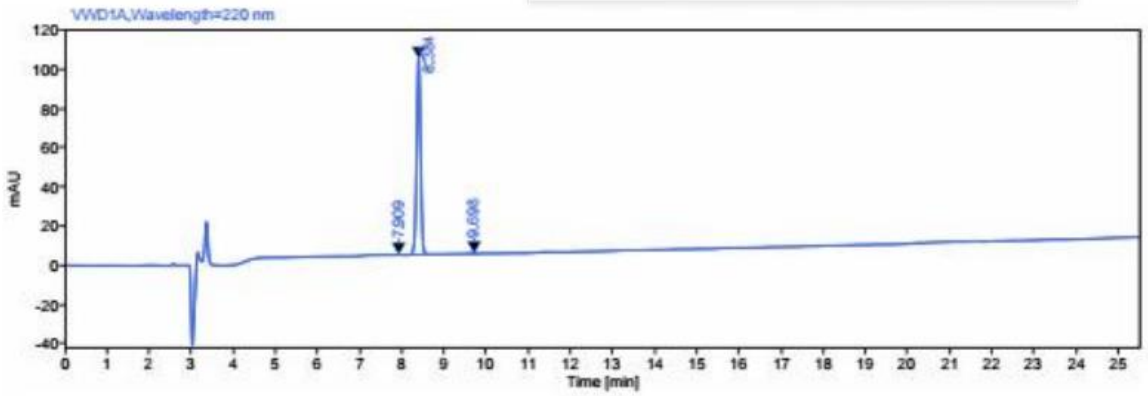
Product	P21 Peptide	**CAS No.**	1246751-68-7
Product No.	LJP21-001	**Batch No.**	LJP212026090201
Date of Mfg	2026/09/02	**Retest Date**	2028/09/01
Test Method	In-house		
Storage Conditions	Protected from light, sealed, store at -20℃±5℃		

Test	**Acceptance Criteria**	**Results**
Appearance	White or off-white Powder	White Powder
Solubility	Soluble in water	Conforms
Purity	≥98.0%	99.54%
Identification By MS	578.66±1.0	Conforms
Trifluoroacetic acid	≤0.5%	ND
Acetic acid	≤15.0%	ND
Sodium ion	≤5.0%	2.8%
Related Substances	Max Single Impurity ≤1.0%	0.24%
	Total Impurities ≤2.0%	0.44%
Water content	≤10.0%	5.3%
Peptide Content	≥80.0%	90.6%
Residual Solvents	Methanol ≤3000ppm	ND
	Acetonitrile ≤410ppm	123ppm
	Methylene chloride ≤600ppm	ND
	MTBE ≤5000ppm	ND
Elemental Impurities	As：≤1.5ppm	ND

	Cd：≤0.2ppm	ND
	Hg：≤0.3ppm	ND
	Pb：≤1.5ppm	ND
Microbial Limit	Total aerobic bacteria ≤ 100cfu/g	Conforms
	Mould & Yeast ≤ 100cfu/g	Conforms
Bacterial Endotoxin	≤10EU/mg	Conforms
Conclusion	☑Meet the requirements ☐Do not meet the requirements	
Remark	**It is only supplied as chemical product.** **It is only for R&D use. NOT for human or animal**	

Reporter/Date: 张洁 2026/09/05 **Approver/Date:** [illegible] 6/09/0[illegible]

HPLC:



Signal: VWD1A,Wavelength=220 nm

RT [min]	Type	Width [min]	Area	Height	Area%	Name	Peak Theoretical Plates USP
7.909	MM m	0.28	1.535	0.20	0.24		
8.384	MM m	0.51	649.210	100.06	99.54		
9.698	MM m	0.22	1.444	0.24	0.22		
		Sum	652.19				