

Certificate of Analysis			
Product	KPV	CAS No.	67727-97-3
Product No.	LJKP001	Batch No.	LJKP2026073101
Date of Mfg	2026/07/31	Retest Date	2028/07/30
Test Method	In-house	Quantity	25.2kg
Storage Conditions	Sealed, refrigerated (2~8℃)		

Test	Acceptance Criteria	Results
Appearance	White or off-white Powder	White Powder
Identification By MS	342.43 ± 1.0	Conforms
Purity	$\geq 98.0\%$	99.63%
Trifluoroacetic acid	$\leq 1000\text{ppm}$	Not detected
Residual Solvents	Acetonitrile: $\leq 410\text{ppm}$	Not detected
	tert-Butanol: $\leq 3500\text{ppm}$	358ppm
	Dichloromethane: $\leq 600\text{ppm}$	Not detected
	tert-Butylmethyl ether: $\leq 5000\text{ppm}$	Not detected
Related Substances	Unspecified Impurity: $\leq 0.3\%$	0.10%
	Total Impurities: $\leq 1.0\%$	0.37%
Water content	$\leq 10.0\%$	4.15%
Acetic acid	$\leq 20.0\%$	7.81%
Peptide Content	$\geq 75.0\%$	87.5%
Bacterial Endotoxin	$\leq 5 \text{ EU/mg}$	Conforms
Elemental Impurities	As: $\leq 1.5\text{ppm}$	Not detected
	Cd: $\leq 0.2\text{ppm}$	Not detected
	Hg: $\leq 0.3\text{ppm}$	Not detected

	Pb: ≤1.5ppm	0.06ppm
	Co: ≤0.5ppm	Not detected
	Ni: ≤2ppm	0.25ppm
	Pd: ≤1ppm	Not detected
Conclusion	☒ Meet the requirements ☐ Do not meet the requirements	
Remark	It is only supplied as chemical product. It is only for R&D use.	

Reporter/Date: 张洁 2026/8/3

Approver/Date: 刘辉 2026/8/3

HPLC:

