Certificate of Analysis

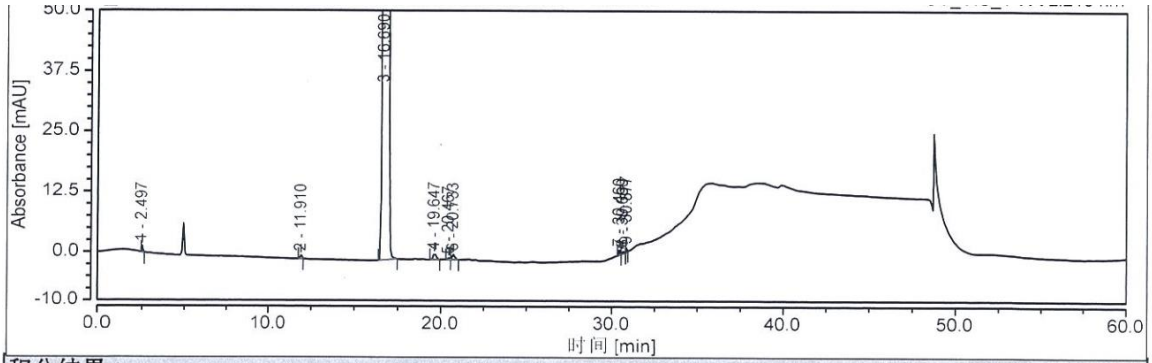
Product	**KPV**	**CAS No.**	67727-97-3
Product No.	LJKP001	**Batch No.**	LJKP2026073101
Date of Mfg	2026/07/31	**Retest Date**	2028/07/30
Test Method	In-house	**Quantity**	25.2kg
Storage Conditions	Sealed, refrigerated (2~8℃)		

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

	Pb：≤1.5ppm	0.06ppm
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:



积分结果

序号	峰名称	保留时间 min	峰面积 mAU*min	峰高 mAU	相对峰面积 %	分离度	拖尾因子
1		2.497	0.08053	1.370	0.03	74.7	1.8
2		11.910	0.08194	0.759	0.03	18.9	1.0
3		16.690	238.11292	1132.341	99.63	9.0	1.5
4		19.647	0.24914	1.196	0.10	n.a.	1.1
5		20.467	0.05609	0.374	0.02	n.a.	n.a.
6		20.733	0.21254	1.069	0.09	42.8	n.a.
7		30.460	0.09279	1.007	0.04	1.1	0.9
8		30.660	0.06599	0.546	0.03	1.4	n.a.
9		30.877	0.04738	0.879	0.02	n.a.	1.0