

Certificate of Analysis

KPV Powder (Synthetic)	CAS: 67727-97-3
Product No.:800133	Batch No.: 26031605
Date ofMfg:Mar 16, 2026	Date of Exp: Mar 15, 2028
Sequence:Lys-Pro-Val	



Test	Specification	Result
Appearance	White or off-white powder	Conforms
Solubility	Soluble in water and 1% acetate acid	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Amino acid analysis	Lys 0.9-1.1 Val 0.9-1.1 Pro 0.9-1.1 No more than the traces of the other amino acids are present.	Lys 1.0 Val 1.0 Pro 1.0 No more than the traces of the other amino acids are present.
MS	342.4 ± 1.0	342.0
Related Substances	Unspecified impurity for each impurity: NMT1.0%	0.67%
Purity(HPLC)	NLT 98%	99.3%
Acetic acid	NMT 30.0%	14.3%
Water Content(Karl Fischer)	NMT 7.0%	5.3%
Assay	95.0%-105.0% (anhydrous and acetic acid free substance)	99.3%
Bacterial endotoxins	Less than 5IU/mg	Conforms

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Residual solvent		
Dichloromethane	NMT 600 ppm	N.D
Acetonitrile	NMT 410 ppm	143ppm
N,N-Dimethylformamide	NMT 880 ppm	N. D
Methanol	NMT 3000ppm	N.D
Storage	In an air tight container, protected from light; Short Term:2-8℃ ; Long Term:below-10℃	
Report	<i>Lipeng</i>	Date 2026.3.16
Reviewer	<i>Peng Mailei</i>	Date 2026.3.16
Conclusion: This batch of product complies with Enterprise Standard.		

QUALITY TEST
质量检验
2026-03-16
EST 合格
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It is only supplied as chemical product.

It is only for R&D use.