

Current Batch Certificate of Analysis

RESEARCH USE ONLY Public batch: PEP260704-KLW80

Certificate of Analysis

品 名	Product	KLOW	批 号	Batch	PEP260704-KLW80
生产日期	Mfg Date	2026-07-10	复检期	Retest Date	2028-07-09
检验日期	Test Date	2026-07-18	标 准	Standard	In house
包装形式	双层聚乙烯袋，双层铝塑袋				
Package	Double layer polyethylene bag,Double layer aluminum-plastic film bag				
Component composition	CAS 编号 NO.		Standard content per bottle 标准含量/瓶		
组分成分					
GHK-Cu	89030-95-5		50MG		
BPC-157	137525-51-0		10MG		
TB-500	77591-33-4		10MG		
KPV	112965-21-6		10MG		
TestItem	AcceptanceCriteria		TestResult		
检 测 项 目	可接受标准		检验结果		
Appearance	White or off-white powder		white powder		
性状	白色或类白色粉末		白色粉末		
Solubility	Soluble or freely soluble in water		freely soluble in water		
溶解度	在水中溶解或易溶		易溶于水		
Average Molecular Weight	GHK-Cu 406.95±1.0 Da		GHK-Cu 406.21 Da		
Weight 平均分子量	BPC-157 1420.01±1.0 Da		BPC-157 1419.87 Da		
	TB-500 889.01±1.0 Da		TB-500 889.59 Da		
	KPV 327.38±1.0 Da		KPV 326.96 Da		
Chromatographic Identification	The retention time of the main peak of Sample Solution should be consistent with that of the Standard solution,as obtained in the Assay		Meet the requirement		
色谱鉴别	在含量测定项下记录的色谱图中，供试品溶液主峰的保留时间应与对照品溶液主峰的保留时间一致		符合规定		
PH	5.0-6.5		5.6		
Clarity and Color of Solution	Clarity: Clear transparent solution, free from turbidity, precipitate and insoluble particles.		Colour: Characteristic bright sky blue solution.		
溶液的澄清度与颜色	应澄清无色		符合要求		
Chromatographic Purity	NLT98.0%		Meet the requirement		
色谱纯度	各组不小于 98.0%		符合规定		

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Related Substances	Maximum unknown single impurity NMT 0.3%		0.16%		
有关物质	最大未知单杂不得过 0.3%				
High Molecular Weight Proteins	NMT0.8%		0.03%		
高分子蛋白质					
Water Content	NMT 5%		1.59%		
水分					
Heavy Metals	NMT 10ppm		2ppm		
Residual Solvents	Methanol NMT 3000ppm		23ppm		
	甲醇不得过 3000ppm				
	Acetonitrile NMT 410ppm				
	乙腈不得过 410ppm		36ppm		
	Dichloromethane NMT 600ppm		52pm		
	二氯甲烷不得超过 600pp				
Microbial Limit	N, N-Dimethylformamide NMT 880ppm		68pm		
	N, N-二甲基甲酰胺不得过 880ppm				
Microbial Limit	Total Aerobic Microbial Count NMT100 cfu/g		Meet the requirement		
微生物限度	需氧菌总数应不得过 100cfu/g		符合要求		
Bacterial Endotoxins					

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细菌内毒素	<5EU/mg	Meet the requirements 符合要求
Peptide Content 肽含量	Each group NLT 86.0% 各组不小于 86%	92.3%
Assay 含量	95.0%~105.0% (On Anhydrous and Sodium Free) 95.0%~105.0%(以无水、无钠离子计)	101.3%
Conclusion 结论	Meets specification	