

Current Batch Certificate of Analysis

RESEARCH USE ONLY Public batch: PEP260710-KLW80

Certificate of Analysis

品 名	Product	KLOW	批 号	Batch	PEP260710-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	7ML 西林瓶冻干粉包装				
Packaging	7ML vial lyophilized powder				

composition	CAS 编号	Standard content per
组分成分	NO.	bottle 标准含量/瓶
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	Blue-violet powder	Blue-violet powder
性状	蓝紫色粉末	蓝紫色粉末
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
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%	99.57%

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色谱纯度		
Related Substances	Maximum unknown single impurity NMT 0.5%	0.16%
有关物质	最大未知单杂不得过 0.5%	

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High Molecular Weight Proteins 高分子蛋白质	NMT0.8%	0.03%
Water Content 水分	NMT 5%	1.59%
Heavy Metals 重金属	NMT 10ppm	2ppm
	Methanol NMT 3000ppm 甲醇不得过 3000ppm	23ppm
	Acetonitrile NMT 410ppm 乙腈不得过 410ppm	36ppm
	Dichloromethane NMT 600ppm 二氯甲烷不得超过 600ppm	52ppm
	N,N-Dimethylformamide NMT 880ppm N,N-二甲基甲酰胺不得过 880ppm	68ppm
Residual Solvents 残留溶剂		
Microbial Limit 微生物限度	Total Aerobic Microbial Count NMT100 cfu/g 需氧菌总数应不得过 100cfu/g	Meet the requirement 符合要求
Bacterial Endotoxins 细菌内毒素	<5EU/mg	Meet the requirements 符合要求
Peptide Content 肽含量	95.0%~105.0%(On Anhydrous and Sodium Free) 95.0%~105.0%(以无水、无钠离子计)	101.3%
Assay 含量	76.0~84mg	81.04mg
Conclusion 结论	Meets specification	