

Current Batch Certificate of Analysis

RESEARCH USE ONLY Public batch: PEP260712-MOTSC40

Certificate of Analysis

品 名	Product	线粒体衍生肽 MOTS- C	批 号	Batch	PEP260712-MOTSC40
CAS	NO.	1627580-64-6	数 量	Quantity	40mg
生产日期	Mfg Date	2026-07-12	复检期	Retest Date	2028-07-11
检验日期	Test Date	2026-07-20	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				

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	2174.59±1.0 Da	2174.47Da
平均分子量		
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 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	Meet the requirement 符合规定
PH	6.0-9.0	7.56
Clarity and Color of Solution	Clarity: Clear transparent solution, free from turbidity, precipitate and insoluble particles. 应澄清无色	Colour: Characteristic bright sky blue solution. 符合要求
Chromatographic Purity	NLT98.0% 不小于 98.0%	99.13%
Related Substances	Maximum unknown single impurity NMT 1.0% 最大未知单杂不得过 1.0%	0.41%
High Molecular Weight Proteins	NMT0.8%	0.13%
Water Content	NMT 3.0%	2.18%
TFA Residual	NMT0.05%	0.1%
三氯乙酸		

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Heavy Metals 重金属	NMT 10ppm			均未检出 ND	
Residual Solvents	Methanol NMT 3000ppm			125ppm	
	甲醇不得过 3000ppm				
	Acetonitrile NMT 410ppm				
	乙腈不得过 410ppm			73ppm	
	Dichloromethane NMT 600ppm			50pm	
	二氯甲烷不得超过 600pp				
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 Endotoxin	≤10 EU/mg			2.7 EU/mg	
细菌内毒素					
Peptide Content	NLT 88.0%			96.78%	
肽含量					
Assay	95.0%~105.0%(On Anhydrous and Sodium Free)			103.56%	
含量	95.0%~105.0%(以无水、无钠离子计)				
Conclusion	Meets specification				
结论					