

Certificate of Analysis (COA)

质检报告



BPC-157 - Body Protection Compound

Product Type: Lyophilized Powder (Freeze-Dried) | 冻干粉

Product Information | 产品信息

Product Name 产品名称	BPC-157 (Body Protection Compound-157) 戊肽
CAS Number	137525-51-0
Molecular Formula 分子式	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Molecular Weight 分子量	1419.57 g/mol
Specification 规格	5mg, 10mg × 10 vials/box
Appearance 外观	White to off-white lyophilized powder
Batch Number 批号	BPC--2026-481
Manufacturing Date	2026-07-09
Expiry Date	2028-07-09
Storage 储存条件	Store at -20°C, protect from light and moisture 避光防潮, -20°C 保存
Shelf Life 保质期	24 months from manufacturing date (unopened)

Test Results | 检测结果

Test Item 检测项目	Specification 标准	Result 结果	Method 方法
------------------	--------------------	-------------	-------------

Appearance 外观	White to off-white powder	White powder	Visual
Identification 鉴别	Positive for BPC-157	Positive	HPLC
Assay/Purity 纯度	≥99.0%	99.5%	HPLC
Related Substances 有关物质	≤1.0%	0.4%	HPLC
Single Impurity 单一杂质	≤0.5%	0.2%	HPLC
Loss on Drying 干燥失重	≤3.0%	1.3%	LOD
Residue on Ignition 炽灼残渣	≤0.5%	0.2%	ROI
Heavy Metals 重金属	≤10 ppm	<5 ppm	ICP-MS
Lead (Pb) 铅	≤2 ppm	<1 ppm	ICP-MS
Arsenic (As) 砷	≤1 ppm	<0.5 ppm	ICP-MS
Mercury (Hg) 汞	≤0.5 ppm	<0.2 ppm	ICP-MS
Cadmium (Cd) 镉	≤1 ppm	<0.5 ppm	ICP-MS
Microbial Limit 微生物限度	≤100 CFU/g	<50 CFU/g	Plate Count
E. coli 大肠杆菌	Negative	Negative	PCR
Salmonella 沙门氏菌	Negative	Negative	PCR
Staphylococcus aureus 金黄色葡萄球菌	Negative	Negative	PCR

Bacterial Endotoxins 细菌内毒素	≤10 EU/mg	<5 EU/mg	LAL
Sterility 无菌检查	Sterile	Sterile	Membrane Filtration

LC-MS Analysis | 质谱分析

Parameter 参数	Expected 理论值	Observed 实测值	Status
Molecular Weight 分子量	1419.57 g/mol	1419.6 g/mol	✓ Confirmed
Molecular Ion [M+H] ⁺	1420.58	1420.6	✓ Confirmed
Retention Time 保留时间	7.25 ± 0.2 min	7.23 min	✓ Matched
Fragmentation Pattern	Reference Standard	Matched	✓ Confirmed
Mass Accuracy 质量精度	±1.0 Da	±0.5 Da	✓ Passed

Conclusion | 结论

The product complies with the enterprise quality standards.
本品符合企业质量标准。



Tested by | 检测
Lab Technician

Approved by | 批准
QA Director

Laboratory Information | 实验室信息

Company: HK Qiangtai Technology Co., Ltd.

Email: niki@aipeptidotech.com

Website: www.aipeptidotech.com

Echemi: <https://www.echemi.com/shop-us20260119150853472/index.html>

Date of Issue: 2026-07-12

This is a reference template for customer consultation purposes only.

此文件仅供参考模板，用于客户咨询。

For research use only. Not for human therapeutic use.

仅供研究使用，不用于人体治疗。