中析研究所
分析 · 研发 · 检测

中析研究所
Zhongxi Research Institute
分析 · 研发 · 检测
Peptide, Protein & Small-Molecule Analytical Centre
+86 400-640-9567 · 010@yjsyi.com
https://www.yjsba.com/jcxm/qita/16188.html
CMA Accredited · CNAS Accredited · ISO/IEC 17025

CERTIFICATE OF ANALYSIS

Issued by an ISO/IEC 17025-accredited laboratory · raw data appended (page 2)

PASS
QC released for dispatch

Scan to verify

BPC-157 — 10mg

Body Protection Compound-157

1. PRODUCT IDENTIFICATION

Synonym	Body Protection Compound-157	**Label claim**	10mg
Sequence / structure	Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val	**Lot / Batch**	ZX260512-553 / B74520
Mol. formula	C62H98N16O22	**Manufacture date**	20 May 2026
Mol. weight	1419.54 g/mol	**Date of analysis**	30 May 2026
CAS number	137525-51-0	**Storage**	−20 °C, dark, desiccated
Salt form	Acetate salt		

2. ANALYTICAL TEST RESULTS

Test	Method	Specification	Result	Verdict
Appearance	Visual	White/off-white powder	White to off-white lyophilized powder	**PASS**
Identity (ESI-MS)	LC-MS	Matches 1419.54 Da	1419.52 Da (Δ -14 ppm)	**PASS**
Purity	RP-HPLC, UV 220 nm	≥ 98.0% area	98.77%	**PASS**
Related substances	RP-HPLC	Single ≤1.0 / Total ≤2.0%	0.69 / 1.23%	**PASS**
Water content	Karl Fischer (USP <921>)	≤ 8.0%	2.5%	**PASS**
Counter-ion: acetate	Ion chromatography	Report (3.0–15.0%)	6.5%	**PASS**
Net peptide content	Amino-acid analysis	≥ 80.0%	90.0%	**PASS**
Bacterial endotoxin	LAL kinetic (USP <85>)	< 5.0 EU/mg	0.16 EU/mg	**PASS**
Heavy metals	ICP-MS (ICH Q3D)	Conforms	Conforms	**PASS**

CONCLUSION
All tested parameters CONFORM to the acceptance specifications. The batch is of high chromatographic purity (≥ 98%) with an impurity profile, identity and residual/contaminant results meeting pharmaceutical-grade quality requirements. Material released. Supporting RP-HPLC chromatogram and ESI-MS spectrum are appended on page 2.

DHR.

Dr. Huang Rui
Analyst · 30 May 2026 · Zhongxi Research Institute

DFH.

Dr. Fang Hong (QC Manager)
Approved by · 30 May 2026 · Zhongxi Research Institute

中析研究所
分析 · 研发 · 检测

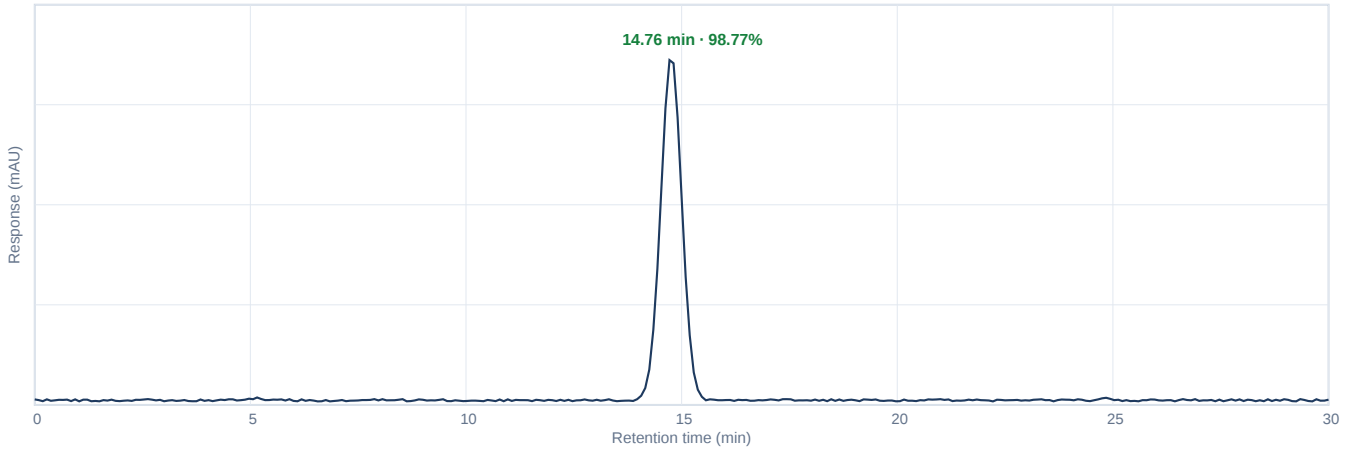
中析研究所
Zhongxi Research Institute
分析 · 研发 · 检测
Peptide, Protein & Small-Molecule Analytical Centre
+86 400-640-9567 · 010@yjsyi.com
https://www.yjsba.com/jcxm/qita/16188.html
CMA Accredited · CNAS Accredited · ISO/IEC 17025

APPENDIX — ANALYTICAL RAW DATA

BPC-157 10mg · Lot ZX260512-553 · Cert. ZXR-COA-2026-33587

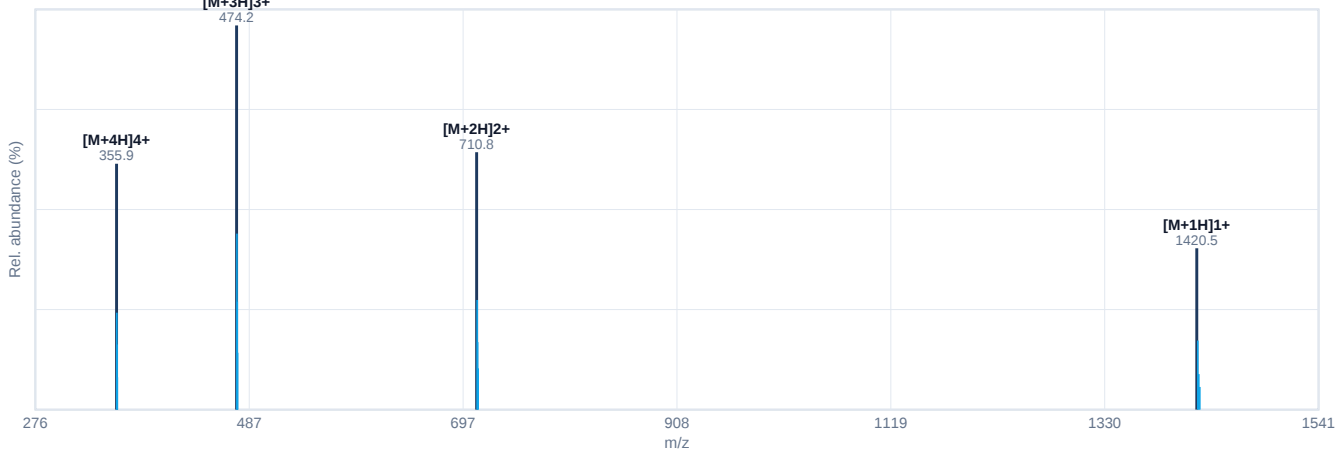
Scan to verify

Figure 1. RP-HPLC Chromatogram (UV 220 nm)



Peak #	RT (min)	Area (μV·s)	Area %	Assignment
1	14.76	938031	98.77	Main (target)
2	24.76	6188	0.64	Impurity / related substance
3	5.12	6076	0.59	Impurity / related substance

Figure 2. ESI-MS Spectrum (positive ion mode)



Interpretation

Identity confirmed by ESI-MS. Observed ions [M+1H]1+ 1420.5, [M+2H]2+ 710.8, [M+3H]3+ 474.2, [M+4H]4+ 355.9 deconvolute to a neutral monoisotopic-average mass of 1419.52 Da (theoretical 1419.54 Da; mass error -14 ppm), consistent with BPC-157. No co-eluting species above 0.5% indicative of misidentification.

Methods — RP-HPLC: Agilent 1260 Infinity II; Zorbax SB-C18 4.6×250 mm, 5 μm; A: 0.1% TFA in water, B: 0.1% TFA in MeCN; 10–70% B over 30 min; 1.0 mL/min; 25 °C; 20 μL injection. MS: AB Sciex TripleTOF, ESI+, capillary 4.5 kV, deconvolution by Bio Tool Kit. KF: Metrohm 901. IC: Thermo Dionex ICS-6000. ICP-MS: Agilent 7900.