MZ Biolabs

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CERTIFICATE OF ANALYSIS

HPLC, Mass Spectrometry & Elemental Impurities Report

Sample Name	**BPC-157**
Client Name	Genix Labs
Lot Number	**613480**
Report Number	**ID-BPC-10-613480**
CAS Number	**137525-51-0**
Sequence	Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val

Molecular Formula	$C_{62}H_{98}N_{16}O_{22}$
Molecular Weight	**1419.53 g/mol**
Amount / Fill	**10 mg**
Analysis Date	May 19, 2026
Report Date	May 20, 2026
Analytical Method	HPLC-UV-MS (220 nm)

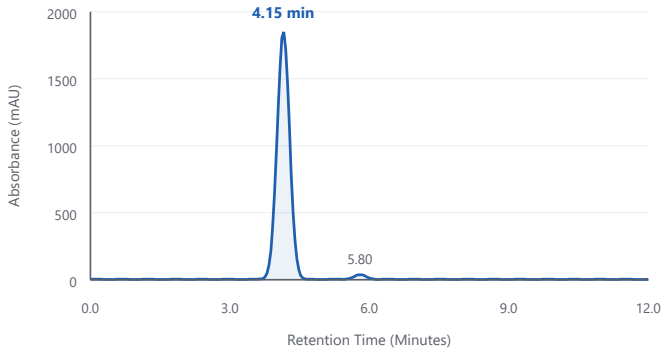
ANALYTICAL RESULTS

Test Parameter	Specifications	Observed Result	Status
Appearance	White lyophilized solid	Conforms	**PASS**
Identity (LC-MS)	Observed mass conforms to structure	1419.5 amu	**PASS**
Purity (HPLC-UV)	Minimum 98.00% by chromatogram area	**99.32%**	**PASS**
Peptide Content	Report actual content percentage	98.60%	**PASS**

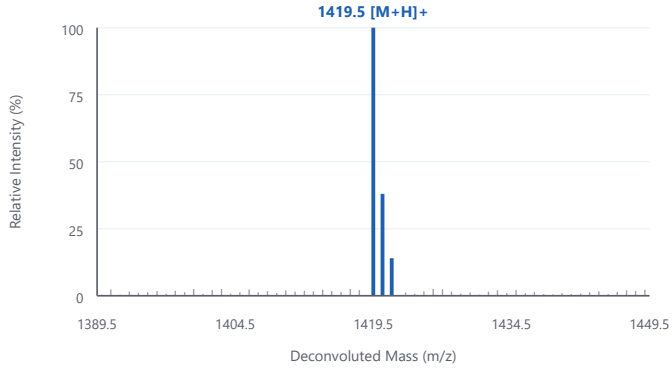
ELEMENTAL IMPURITIES — USP <232> / <233> (ICP-MS)

Lead (Pb)	Arsenic (As)	Cadmium (Cd)	Mercury (Hg)
< 0.20 ppm	**< 0.05 ppm**	**< 0.05 ppm**	**< 0.10 ppm**
PASS · ≤ 10 ppm	PASS · ≤ 1.5 ppm	PASS · ≤ 0.50 ppm	PASS · ≤ 1.5 ppm

HPLC CHROMATOGRAM (UV @ 220 NM)



MASS SPECTRUM (ESI-MS DECONVOLUTED)



Peak #	Retention Time (min)	Peak Area (mAU*s)	Area %
1	4.15	15295.28	**99.32%**
2	5.80	104.72	**0.68%**
Total		**15400.00**	**100.00%**

Deconvolution Results:
Expected Mass: **1419.53 amu**
Observed Mass: **1419.47 amu** (± 1 amu)
Conclusion: Mass matches expected molecular structure.

Report Notes & Disclaimer:

This analysis was performed by High-Performance Liquid Chromatography (HPLC) with Ultraviolet (UV) detection coupled with Electrospray Ionization Mass Spectrometry (ESI-MS). Purity value is calculated by integrating chromatogram peak areas at 220 nm. Peptide content was determined by nitrogen content elemental analysis. Elemental impurities (Pb, As, Cd, Hg) were determined by ICP-MS in accordance with USP <232>/<233> and were below the specified limits. Salts, counter-ions, sugars (excipients), or residual water molecules resulting from lyophilization are not counted as chemical impurities under normal UV chromatographic detection protocols. The results detailed in this Certificate of Analysis relate solely to the specific sample lot number tested as received. For laboratory research use only. Not for human use.

Ken Pendarvis, ChE
Lead Analytical Chemist, MZ Biolabs
Quality Assurance Sign-Off

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