Analytical Testing Laboratory
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Verify at sonic-laboratories.com/coa-lookup **Code: EHWM6EHS**

CERTIFICATE OF ANALYSIS

COA #: **SD20261109_036_BPC10**

SAMPLE INFORMATION

Client	First Standard Peptides	**Accession #**	SD20261109_036
Compound	BPC-157	**Date Received**	11/09/2026
Molecular Formula	C62H98N16O22	**Date Reported**	11/11/2026
Appearance	White lyophilized powder	**Labeled Quantity**	10mg
Sample Form	Lyophilized Vial	**Lot / Batch #**	BC10-26-B001
Storage	Room Temp	**CAS Number**	137525-51-0
Cap Color	Black		



All Chemical Analysis Performed by LC-MS/MS

ANALYTICAL RESULTS

Test / Analysis	Method	Specification	Result	Status
Identity (Mass Confirmation)	LC-MS/MS	Matches reference mass	BPC-157	**Pass**
Purity	LC-MS/MS	≥ 95.0%	99.32%	**Pass**
Net Peptide Content	HPLC	Report value	11.28 mg	**Pass**
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	709 [M+2H]	**Pass**
Theoretical Molecular Mass	Reference	—	1419.53 Da	**Pass**
Related Substances / Impurities	LC-MS/MS	Report value	Not Detected	**Pass**
Residual Solvents	LC-MS/MS	Report value	Not Detected	N/A

John Humes, MS.

John Humes, MS.
Analyzed by · Laboratory Analyst · 11/11/2026

Chetan Soni, PhD.

Chetan Soni, PhD.
Approved by · Laboratory Director · 11/11/2026

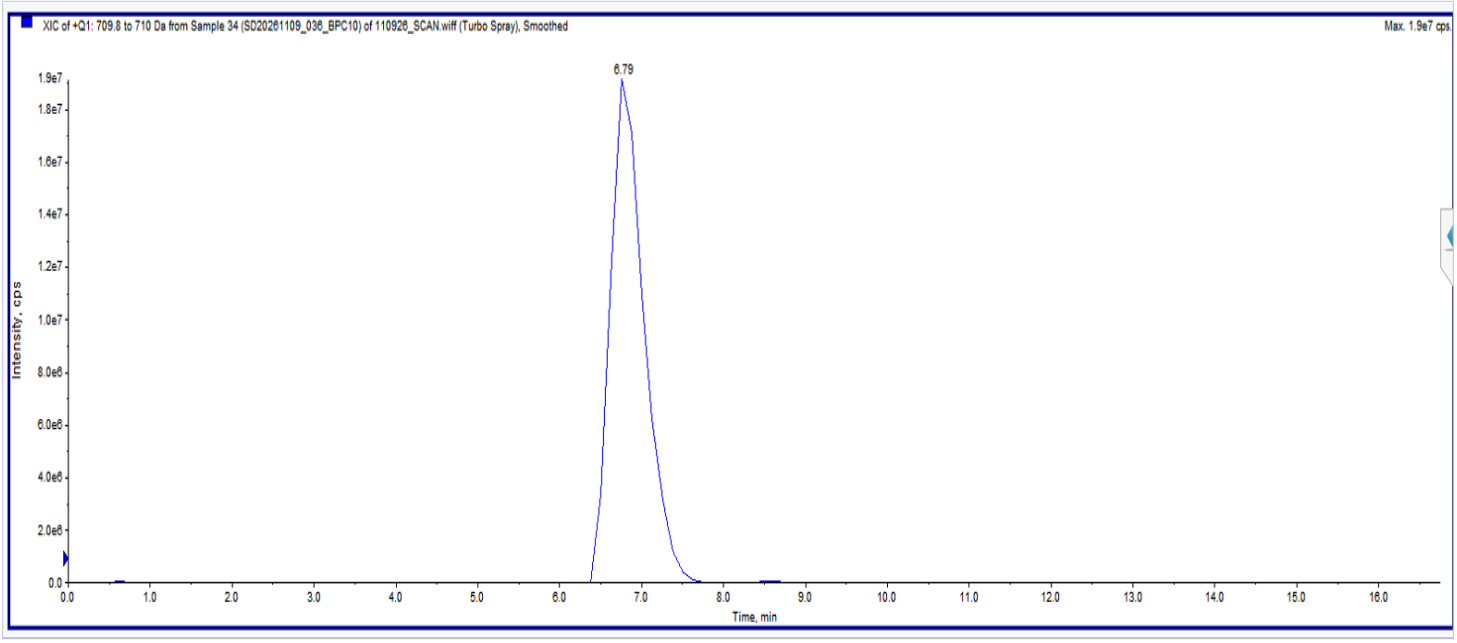
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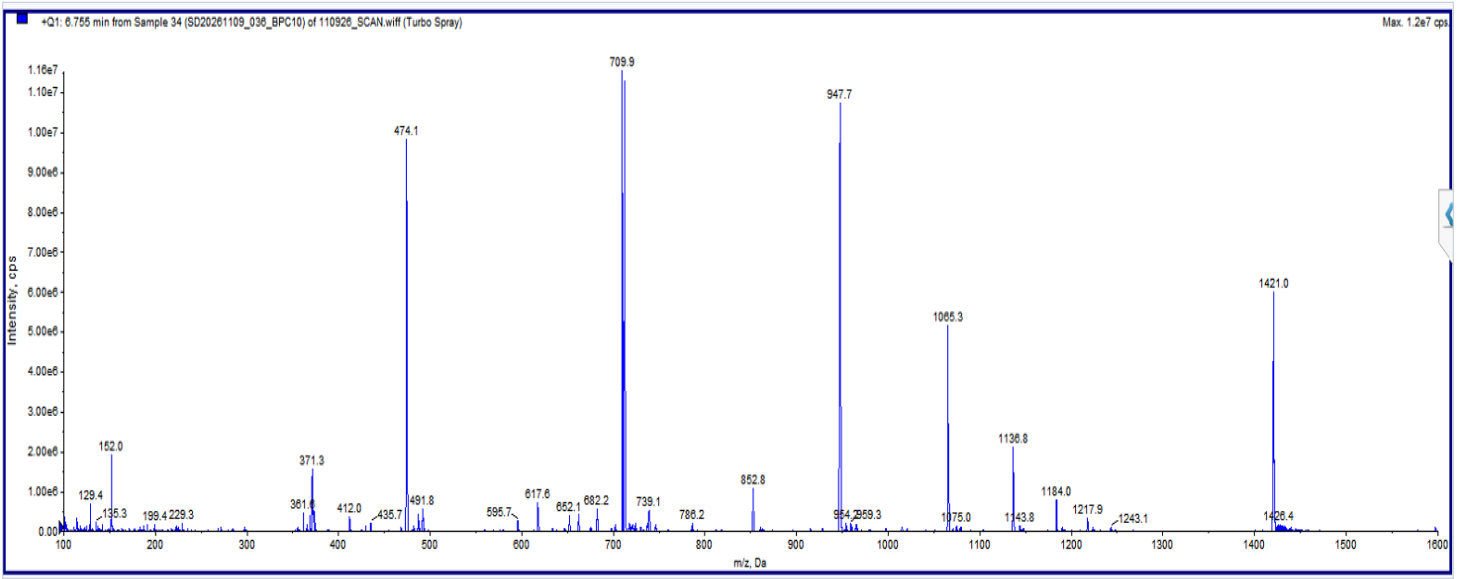
ANALYTICAL DATA

COA #: **SD20261109_036_BPC10**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match BPC-157.

Mass Spectrum (LC-MS)

Sample ID: SD20261109_036_BPC10
Label Claim: BPC-157

Observed Ions
m/z 474.1, assigned as $[M+3H]^3$ BPC-157
m/z 709.9, assigned as $[M+2H]^2$ BPC-157
m/z 1421.0, assigned as [M+H]+ BPC-157
m/z 947.7, associated charge-state/adduct species
m/z 1065.3, associated ion
m/z 1136.8, associated ion
m/z 1184.0, minor associated ion
Expected Mass

BPC-157

Neutral Mass ≈ 1418.7 Da

Expected charge states:

[M+H]+ ≈ 1419.7
$[M+2H]^2$ ≈ 710.4
$[M+3H]^3$ ≈ 473.9
Deconvoluted Mass Calculations

m/z 474.1 ($[M+3H]^3$)

(474.1×3)−3=1419.3 Da(474.1 \times 3)-3 = 1419.3\ \text{Da}(474.1×3)−3=1419.3 Da

m/z 709.9 ($[M+2H]^2$)

(709.9×2)−2=1417.8 Da(709.9 \times 2)-2 = 1417.8\ \text{Da}(709.9×2)−2=1417.8 Da

m/z 1421.0 ([M+H]+)

1421.0−1=1420.0 Da1421.0-1 = 1420.0\ \text{Da}1421.0−1=1420.0 Da
Interpretation

The spectrum contains the characteristic BPC-157 charge-state distribution:

m/z 474.1, assigned as $[M+3H]^3$ BPC-157, deconvoluting to 1419.3 Da
m/z 709.9, assigned as $[M+2H]^2$ BPC-157, deconvoluting to 1417.8 Da
m/z 1421.0, assigned as [M+H]+ BPC-157, deconvoluting to 1420.0 Da

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Additional observed ions include:

m/z 947.7, associated charge-state/adduct species
m/z 1065.3, associated ion
m/z 1136.8, associated ion
m/z 1184.0, minor associated ion

The spectrum exhibits:

Strong singly, doubly, and triply charged precursor ions
Excellent agreement among independent deconvoluted masses
Clean baseline with minimal interference
Expected BPC-157 charge-state distribution
No significant ions indicative of an alternate peptide identity
Conclusion

The observed precursor ions at m/z 474.1, 709.9, and 1421.0 form the expected BPC-157 charge-state distribution and deconvolute to approximately 1418-1420 Da, consistent with the theoretical molecular mass of BPC-157.

Result: PASS – Identity Consistent with BPC-157.

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