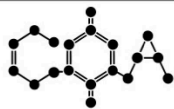


PEPTIDE



COA TEST

Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
sonic-laboratories.com
Verify at sonic-laboratories.com/coa-lookup Code: **D959GWB2**

CERTIFICATE OF ANALYSIS

COA #: **SD20260804_036_BB20**

SAMPLE INFORMATION

Client	Peptide COA Test LLC	Accession #	SD20260804_036
Compound	Wolverine	Date Received	08/04/2026
Molecular Formula	Mixed — see composition	Date Reported	08/07/2026
Appearance	White lyophilized powder	Labeled Quantity	20 mg
Sample Form	Vial	Lot / Batch #	BB2784
Storage	Room Temp	CAS Number	N/A
Crimp Color	Purple		



BLEND COMPOSITION Wolverine

Component	Content	Observed Mass	Identity
BPC-157	12.78 mg	712.3	Confirmed
TB-500	10.33 mg	828.1	Confirmed

All Chemical Analysis Performed by LC-MS/MS

ANALYTICAL RESULTS

Test / Analysis	Method	Specification	Result	Status
Purity (Whole Vial)	LC-MS/MS	Report value	99.39%	Pass

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 08/07/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 08/07/2026

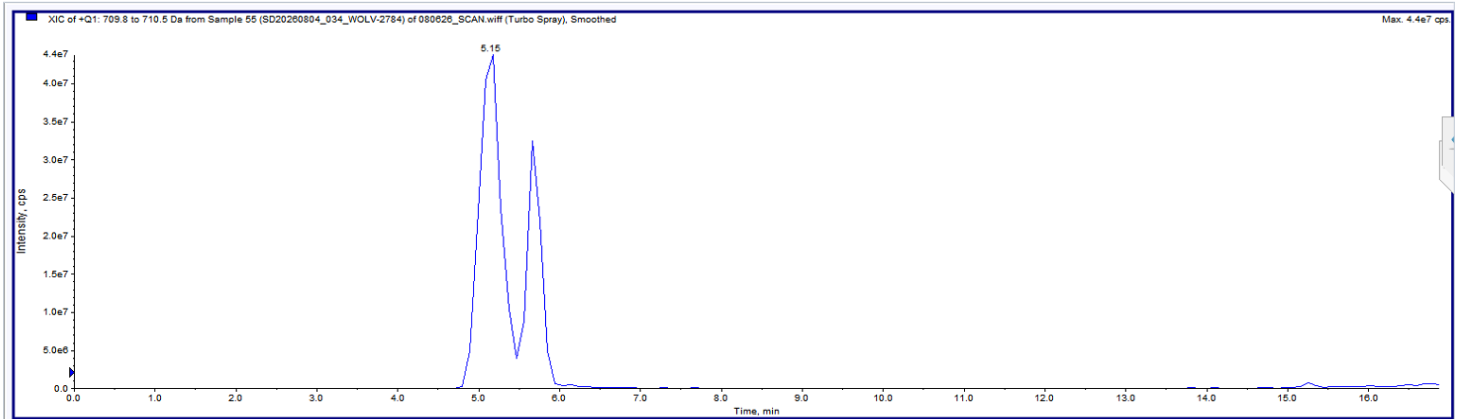
IMPORTANT NOTICE - FOR RESEARCH USE ONLY

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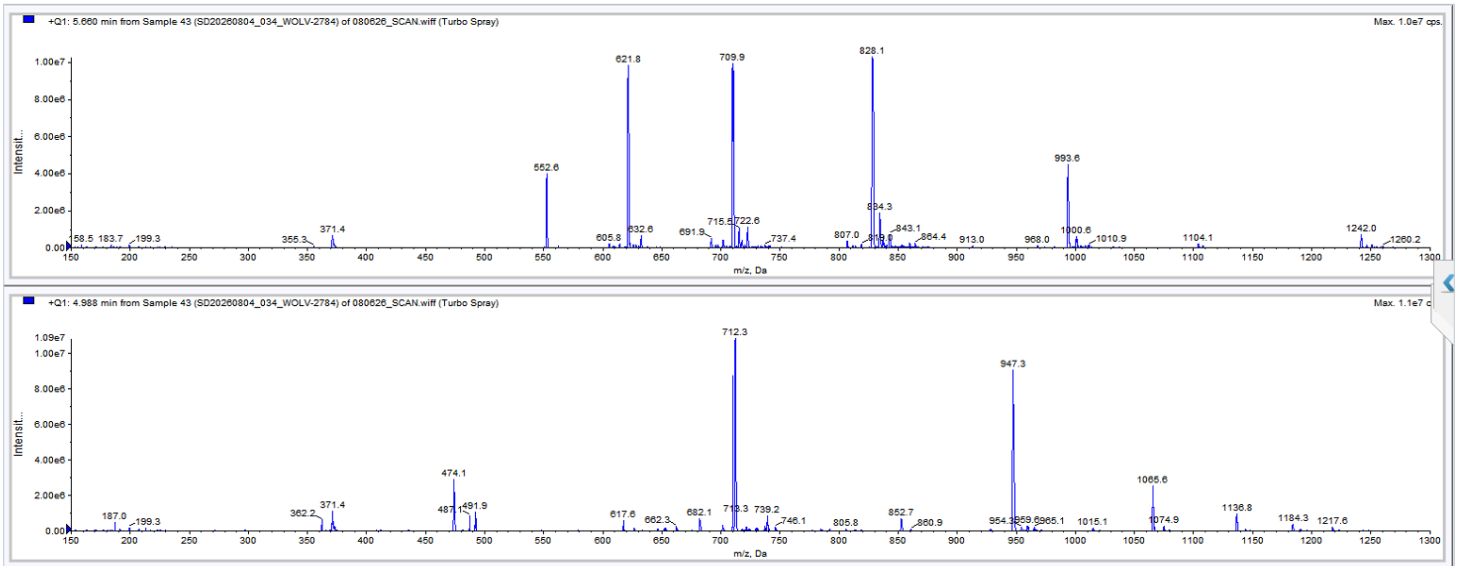
ANALYTICAL DATA

COA #: SD20260804_036_BB20

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



John Humes, MS.

John Humes, MS.

Analyzed by · Laboratory Analyst · 08/07/2026

Chetan Soni, PhD.

Chetan Soni, PhD.

Approved by · Laboratory Director · 08/07/2026

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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match

Mass Spectrum (LC-MS)

Identity (LC MS, Q1 scan -Wolverine) BPC-157 / Thymosin Beta-4 Blend:

Two Q1 scans were acquired at retention times 4.988 min and 5.660 min, corresponding to the major chromatographic peaks of the BPC-157 and TB-4 components respectively. Both spectra exhibit strong, well-defined ion clusters consistent with expected peptide charge states and isotopic distributions. The LC-MS profile confirms the identity and purity of both peptide components. The blend meets analytical specifications for composition and integrity. No significant extraneous peaks or degradation products were observed within the analytical window.

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 08/07/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 08/07/2026

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