Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
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Verify at sonic-laboratories.com/coa-lookup **Code: UTZBH226**

CERTIFICATE OF ANALYSIS

COA #: **SD20261109_020_SER10**

SAMPLE INFORMATION

Client	Zentra Brands Limited	**Accession #**	SD20261109_020
Compound	Sermorelin	**Date Received**	11/09/2026
Molecular Formula	C149H246N44O42S	**Date Reported**	11/11/2026
Appearance	White lyophilized powder	**Labeled Quantity**	10mg
Sample Form	Lyophilized Vial	**Lot / Batch #**	ZC0030
Storage	Room Temp	**CAS Number**	86168-78-7
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	Sermorelin	**Pass**
Purity	LC-MS/MS	≥ 95.0%	99.04 %	**Pass**
Net Peptide Content	HPLC	Report value	10.62 mg	**Pass**
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	672 [M+5H]	**Pass**
Theoretical Molecular Mass	Reference	—	3357.93 Da	N/A
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 · 11/12/2026

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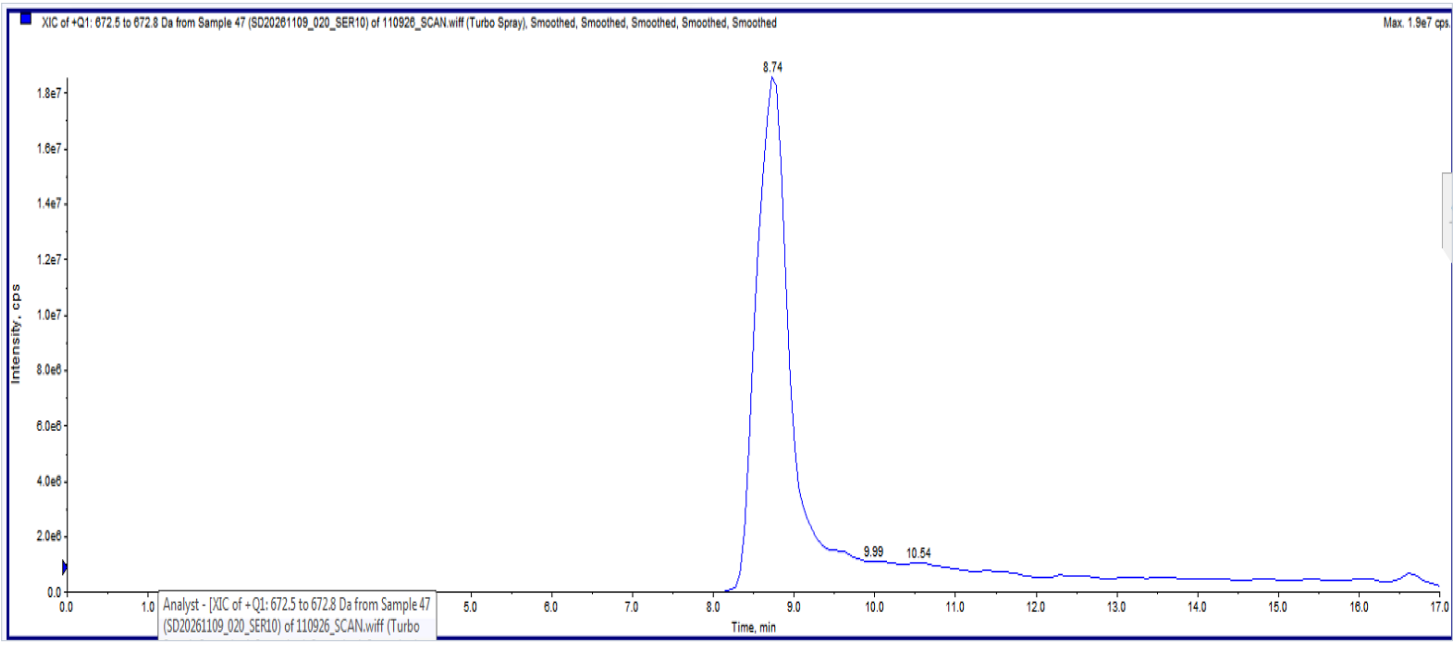
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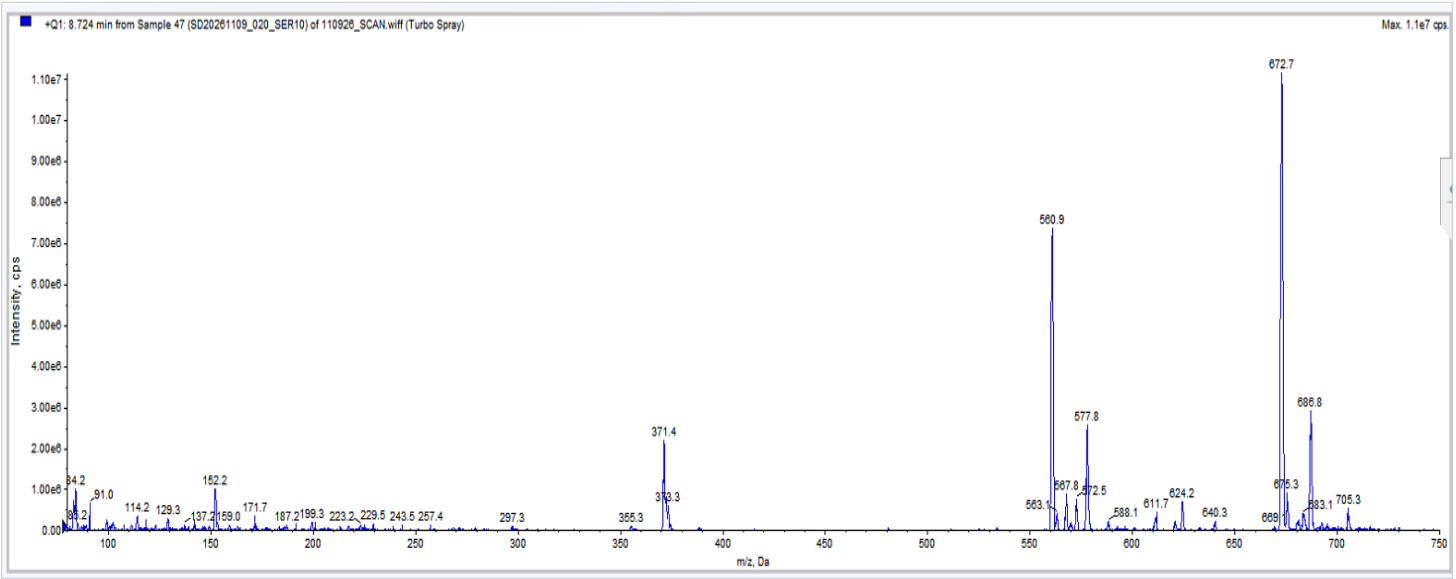
ANALYTICAL DATA

COA #: **SD20261109_020_SER10**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Sermorelin Retention Time Match

Mass Spectrum (LC-MS)

Sample ID: SD20261109_020_SER10

Observed major precursor ions:

m/z 560.9 [M+6H]
m/z 672.7 [M+5H]

Deconvoluted molecular weight:

From 560.9 (6+): ~3359.4 Da
From 672.7 (5+): ~3358.5 Da

Expected molecular weight:

Sermorelin: 3357.9 Da

Assessment:

Two charge states were observed and deconvolute to a common molecular weight near 3358 Da.
The measured mass is consistent with the expected molecular weight of Sermorelin.

Conclusion:

Sermorelin detected.
PASS for identity by Q1 full-scan mass spectrometry.

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