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

CERTIFICATE OF ANALYSIS

COA #: **SD20260924_016_GHRP2**

SAMPLE INFORMATION

Client	Zentra Brands Limited	**Accession #**	SD20260924_016
Compound	GHRP-2	**Date Received**	09/24/2026
Molecular Formula	C45H55N9O6	**Date Reported**	09/27/2026
Appearance	White lyophilized powder	**Labeled Quantity**	10mg
Sample Form	Lyophilized Vial	**Lot / Batch #**	ZC0047
Storage	Room Temp	**CAS Number**	158861-67-7
Cap Color	White		



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	GHRP-2	**Pass**
Purity	LC-MS/MS	≥ 95.0%	99.64 %	**Pass**
Net Peptide Content	LC-MS/MS	Report value	11.73 mg	**Pass**
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	409.2 [M+2H]+	**Pass**
Theoretical Molecular Mass	Reference	—	817.99 Da	**Pass**
Related Substances / Impurities	LC-MS/MS	Report value	Not Detected	**Pass**
Residual Solvents	LC-MS/MS	Report value	Not Detected	**Pass**

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 09/27/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 09/28/2026

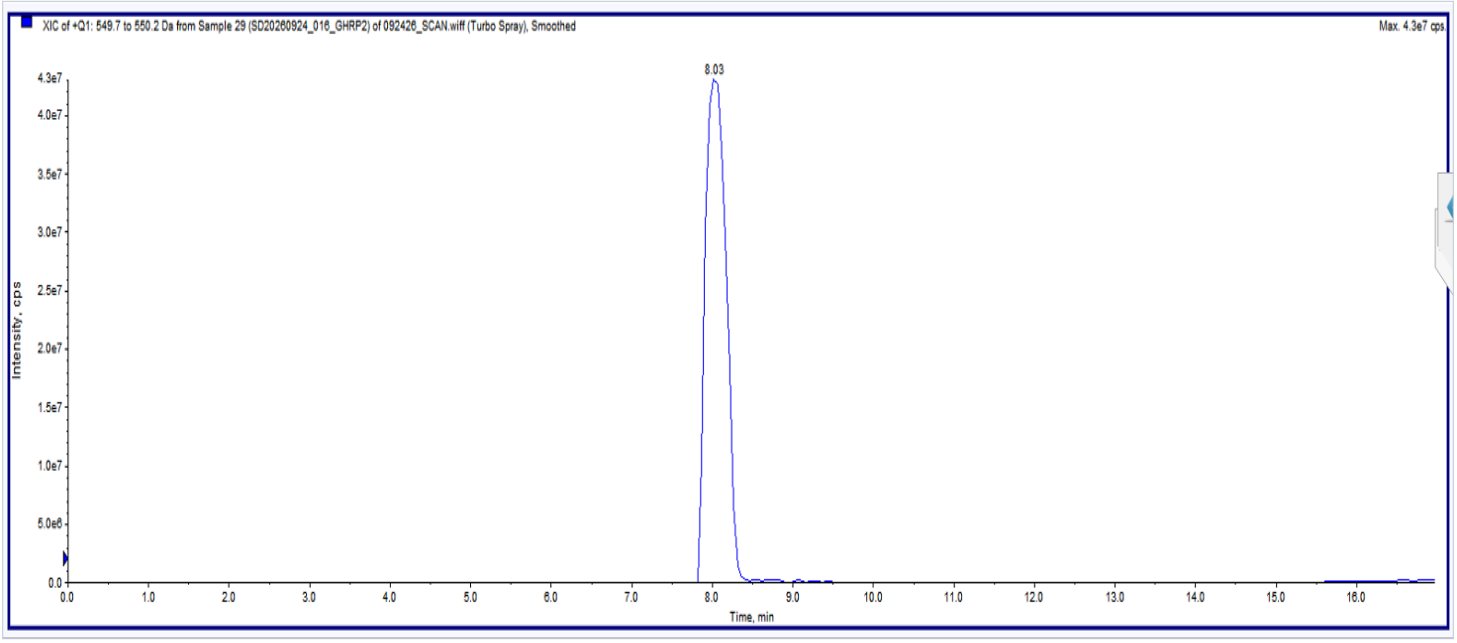
IMPORTANT NOTICE - FOR RESEARCH USE ONLY
This Certificate of Analysis is provided for informational and research purposes only. The sample(s) tested are intended solely for in vitro research, laboratory experimentation, and analytical reference use - not for human or animal consumption, medical diagnosis, therapeutic application, or any clinical use. Results apply only to the specific sample(s) submitted and tested. Unauthorized reproduction of this document is prohibited without written approval from Sonic Laboratories.

Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
sonic-laboratories.com

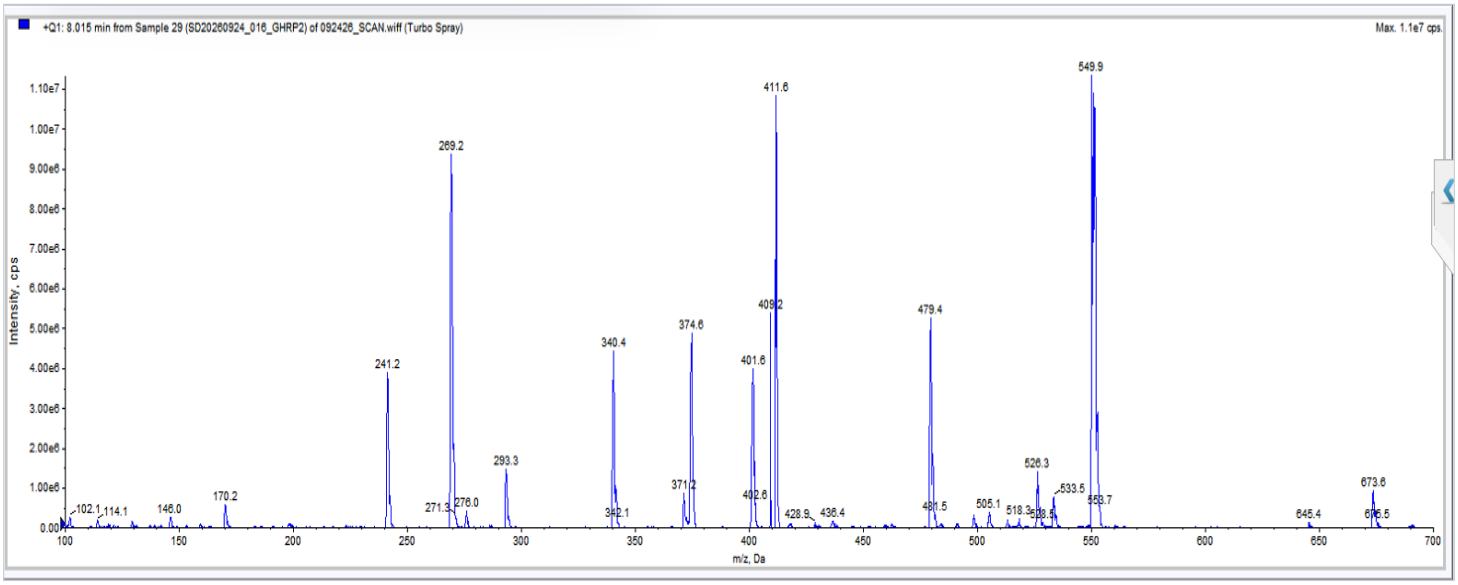
ANALYTICAL DATA

COA #: **SD20260924_016_GHRP2**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 09/27/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 09/28/2026

IMPORTANT NOTICE - FOR RESEARCH USE ONLY

This Certificate of Analysis is provided for informational and research purposes only. The sample(s) tested are intended solely for in vitro research, laboratory experimentation, and analytical reference use - not for human or animal consumption, medical diagnosis, therapeutic application, or any clinical use. Results apply only to the specific sample(s) submitted and tested. Unauthorized reproduction of this document is prohibited without written approval from Sonic Laboratories.

Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
sonic-laboratories.com

ANALYTICAL INTERPRETATION

Chromatogram

Retention Time match

Mass Spectrum (LC-MS)

Analyte: GHRP-2
Sample ID: SD20200924_016_GHRP2
Method: LC-MS, positive-mode Q1 full scan, TurboSpray ionization
Retention Time: 8.015min
Molar mass (neutral): 817.97Da

Q1 scan interpretation
The Q1 full-scan spectrum at 8.015min shows a peptide profile consistent with GHRP-2 (MW ≈817.97Da), with dominant multiply charged precursor ions and associated singly charged fragments under positive ESI conditions.

Observed charge states (this Q1 scan)
269.2m/z — $[M+3H]^3$
Label: Triply charged precursor ion; dominant high-charge state for GHRP-2

409.2m/z — $[M+2H]^2$
Label: Doubly charged precursor ion; major identity peak consistent with MW ≈817.97Da

549.9m/z — [fragment+H]
Label: Dominant singly charged fragment ion associated with GHRP-2

Additional singly charged fragment ions:
102.2, 114.1, 148.0, 159.1, 170.2, 241.2, 271.0, 276.0, 293.3, 322.1, 340.4, 371.7, 374.6, 401.6, 411.6, 428.8, 436.4, 479.4, 481.5, 505.1, 518.3, 526.3, 533.5, 550.7, 645.4, 673.6, 676.5m/z
Label: Singly charged peptide fragment/cluster ions consistent with GHRP-2 fragmentation

Identity conclusion
The observed $[M+3H]^3$ (269.2m/z) and $[M+2H]^2$ (409.2m/z) precursor ions, together with the dominant 549.9m/z fragment and associated singly charged fragment pattern, are consistent with the validated LC-MS identity profile for GHRP-2 (MW ≈817.97Da), supporting the identity of the material.

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 09/27/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 09/28/2026

IMPORTANT NOTICE - FOR RESEARCH USE ONLY
This Certificate of Analysis is provided for informational and research purposes only. The sample(s) tested are intended solely for in vitro research, laboratory experimentation, and analytical reference use - not for human or animal consumption, medical diagnosis, therapeutic application, or any clinical use. Results apply only to the specific sample(s) submitted and tested. Unauthorized reproduction of this document is prohibited without written approval from Sonic Laboratories.