

CERTIFICATE OF ANALYSIS

COA #: **SD20260714_GHK**

SAMPLE INFORMATION

Client	MTCompounds	Accession #	SD20260714_008
Compound	GHK-Cu	Date Received	07/13/2026
Molecular Formula	C14H22CuN6O4	Date Reported	07/17/2026
Counter Ion / Salt	Acetate Salt	Appearance	White lyophilized powder
Labeled Quantity	100mg	Sample Form	Lyophilized Vial
Lot / Batch #	N/A	Storage	Room Temp
CAS Number	89030-95-5	Crimp Color	Silver crimp, clear cap



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	GHK-Cu	Pass
Purity	LC-MS/MS	≥ 95.0%	99.79%	Pass
Net Peptide Content	LC-MS/MS	Report value	100.30 mg	Pass
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	426.2 Da [M + H]	Pass
Theoretical Molecular Mass	Reference	—	425.2 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 · 07/17/2026

Chetan Soni, Ph.D. **Chetan Soni, Ph.D.**
Approved by · Laboratory Director · 07/17/2026

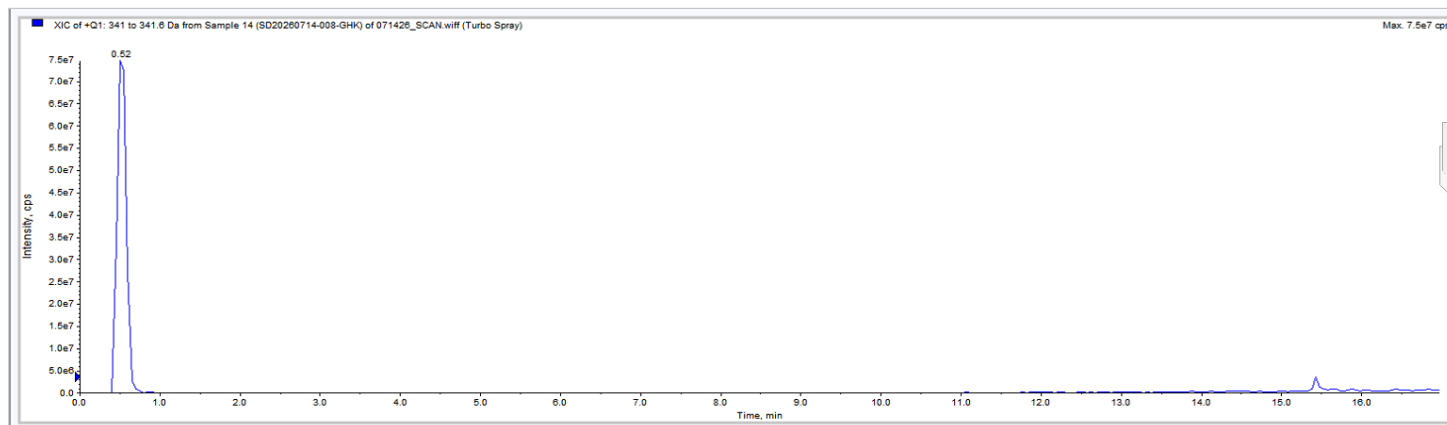
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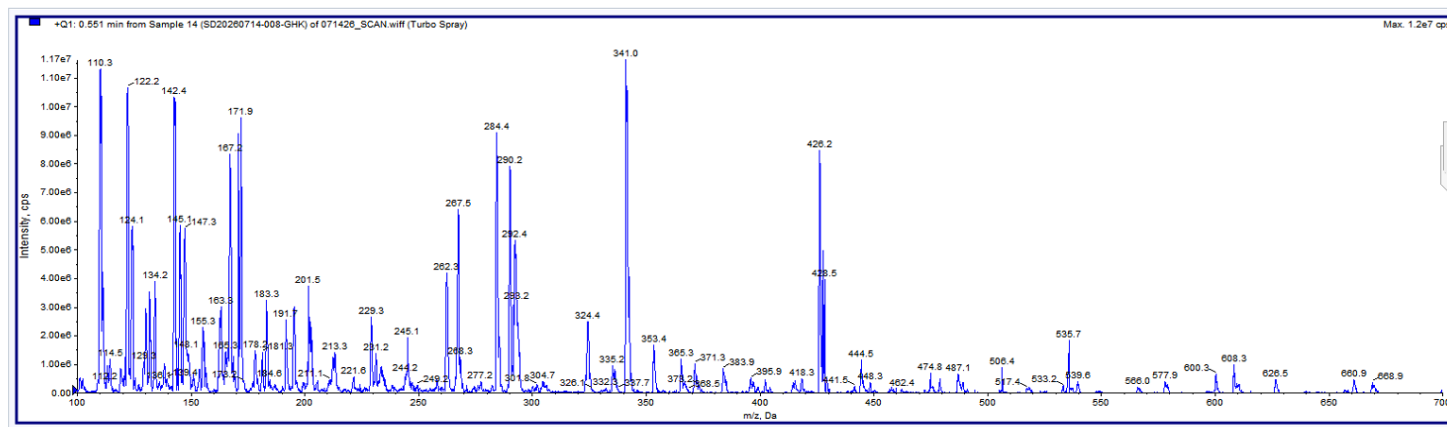
ANALYTICAL DATA

COA #: **SD20260714_GHK**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Matches

Mass Spectrum (LC-MS)

For the GHK Cu complex, the observed $m/z \approx 426.2$ Da corresponds to the $[M+H]^+$ species — the singly protonated molecular ion of the copper bound tripeptide.

So the detected ion is $[M+H]^+$, confirming the intact GHK Cu complex rather than a fragment or adduct. This peak represents the expected monoisotopic protonated molecular ion for identity confirmation in LC MS analysis.

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