



GHK-Cu

CAS NUMBER
89030-95-5MOLECULAR FORMULA
C₁₄H₂₄CuN₆O₄MOLECULAR WEIGHT
401.9 g/mol (Cu complex)SEQUENCE
Gly-His-Lys · Cu(II)LOT NUMBER
GHK-2407ADATE OF ANALYSIS
August 20, 2026RETEST DATE
August 19, 2028ANALYTICAL LABORATORY
Third-party HPLC/MS

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Appearance	Visual	White to off-white lyophilized powder	Conforms
Identity (molecular mass)	ESI-MS	401.9 g/mol (Cu complex) +/- 1.0 Da	401.5 Da
Purity	RP-HPLC, UV 214 nm	NLT 98.0%	98.50%
Single largest impurity	RP-HPLC, UV 214 nm	NMT 1.0%	0.53%
Water content	Karl Fischer titration	NMT 8.0%	2.4%
Acetate content	Ion chromatography	NMT 15.0%	11.5%
Peptide content	Nitrogen determination	NLT 80.0%	90.1%
Residual solvents	GC headspace, ICH Q3C	Meets ICH limits	Conforms
Bacterial endotoxins	LAL, USP <85>	< 1.0 EU/mg	Conforms

CONFORMS — lot GHK-2407A meets all specifications listed above.

CHROMATOGRAPHIC CONDITIONS

Column: C18 reversed phase, 4.6 × 250 mm, 5 µm, 100 Å
Mobile phase A: 0.1% TFA in water · B: 0.1% TFA in acetonitrile
Gradient: 5-65% B over 30 min · Flow: 1.0 mL/min · 25 °C
Detection: UV 214 nm · Injection volume: 20 µL
Mass spectrometry: ESI, positive ion mode

STORAGE & HANDLING

Lyophilized: 2-8°C, desiccated.

RELEASED BY
Quality Control, Ascendtials LLCDATE OF ISSUE
August 20, 2026**FOR LABORATORY RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE.**

This certificate applies only to the lot identified above. Not for use in food, drugs, medical devices, or cosmetics.

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