Genecore Laboratories®

CERTIFICATE OF ANALYSIS

DOC GL-COA
REPORT GL-GHK2056-ZX5-CT
ISSUED 17/05/2026

INDEPENDENT TESTING • QUALITY ASSURANCE • PEPTIDE ANALYSIS • RESEARCH USE ONLY • CONFIDENTIAL

ANALYSED BY AN INDEPENDENT UK LABORATORY PARTNER USING ESTABLISHED HPLC & LC-MS METHODS.

CERTIFICATE ID	PREPARED FOR	SAMPLE	EXPECTED MW
GL-GHK2056-ZX5-CT	Genesis Peptides	GHK-CU	~367.95 Da
SERVICE TIER	**BATCH / LOT**	**ANALYSIS DATE**	**INSTRUMENT**
Combined - HPLC + LC-MS	GHK2056	17/05/2026	Shimadzu LCMS-8040 • PDA
METHOD	**DETECTION**	**MS IONIZATION**	**ACQUISITION**
HPLC + ESI-MS	UV 215 nm (±4)	ESI+ (positive)	Single injection • UV and MS in line
COLUMN	**MOBILE PHASE**	**FLOW RATE**	**SAMPLE QUANTITY**
Zorbax Extend C18, 4.6 x 150 mm	0.1% Formic Acid in Water / 0.1% Formic Acid in Acetonitrile	0.5ml/min	100.00 mg (reconstituted)

00 ASSESSMENT

SAMPLE AS RECEIVED

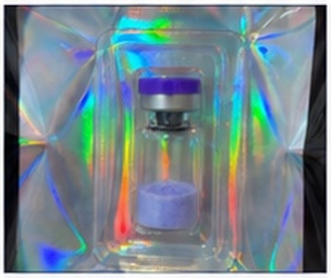
PURITY – HPLC	✓ 99.17%	Major peak detected at expected retention time. *What this means: the sample is 99.17% pure by HPLC (total peak area).*
IDENTITY – LC-MS	✓ Confirmed	GHK-CU detected with expected mass. *What this means: the detected molecular weight matches the declared component.*

SAMPLE DESCRIPTION & LAB NOTES

RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	QUANTITY	MS / IDENTITY MATCH
Lyophilized powder	Blue to purple	As Expected	100.00 mg	Matches expected

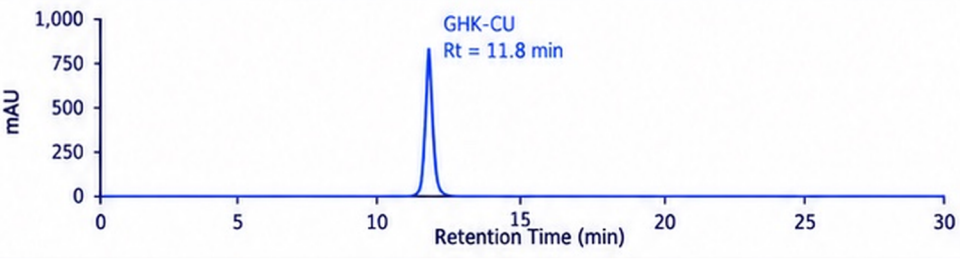
LAB NOTES GHK-CU detected in line with expected composition.
No unexpected peaks of significance detected.
Quantitation based on UV peak area.



SAMPLE AS RECEIVED

01 HPLC – CHROMATOGRAM

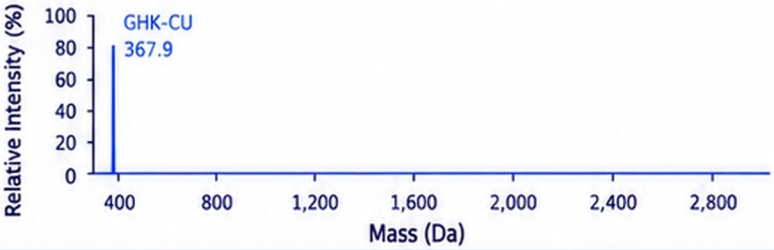
HPLC • PDA • 215 NM



HPLC RESULTS	
Retention Time (Major)	11.8 min
Purity (Area %)	99.17%
Total Impurities	0.83%
Number of Major Peaks	1
Matches Expected	Yes

02 MASS SPECTRUM (DECONVOLUTED)

ESI+ • LC-MS



MS RESULTS (DECONVOLUTED)

Component	Observed Mass (Da)	Expected Mass (Da)	Mass Error (ppm)	Identity
GHK-CU	367.9	367.95	-0.1	Confirmed