



DOC PV-COA
REPORT PV-7F995C-VKGD-A3
ISSUED 06/08/2026

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

00 ASSESSMENT SAMPLE AS RECEIVED

PURITY – HPLC

97.90%

Chromatographic Purity (Area %) of the integrated UV signal. Single integrated peak.
What this means: 97.90% is the reported purity figure for this sample.

IDENTITY - LC-MS

- **Confirmed**

Cu chelate confirmed. Under ESI the complex dissociates, so the free-peptide base peak (≈ 340.2 Da) is observed and matches GHK-Cu; the complex reference mass (401.93 Da) is not expected to survive ionisation.

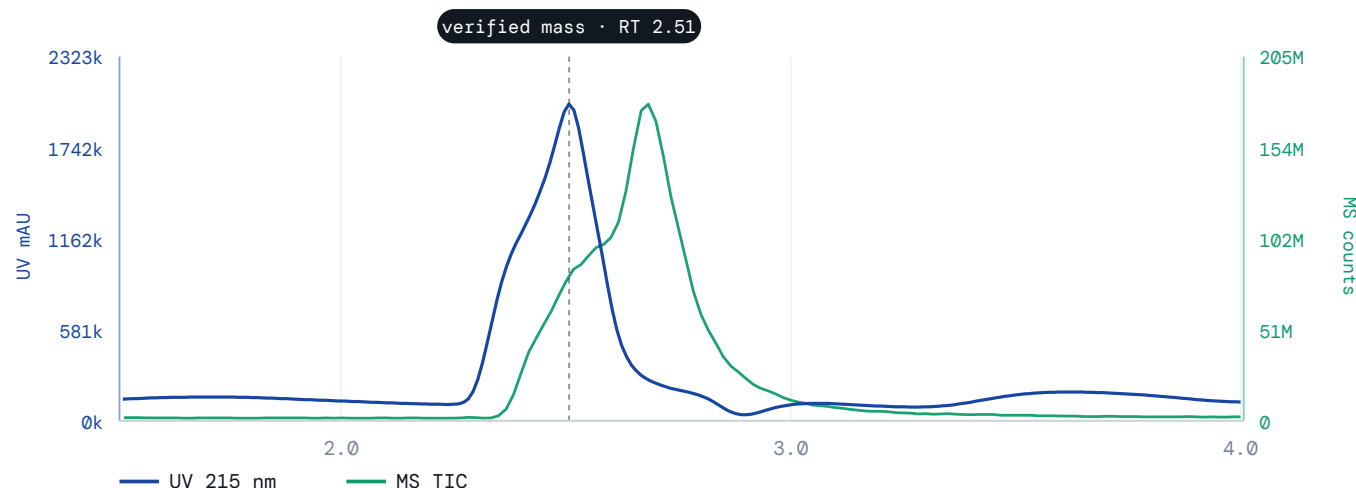
What this means: the free-peptide form of the declared compound was detected by LC-MS — expected for a metal chelate.

⊕ SAMPLE DESCRIPTION & LAB NOTES _____ RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	Other	As Expected	2.51 min	As Expected

01 HPLC + LC-MS - CO-ELUTION PDA 215 NM · ESI TIC

UV PURITY PEAK (BLUE, LEFT AXIS) AND LC-MS TOTAL-ION RESPONSE (GREEN, RIGHT AXIS) ON ONE RETENTION-TIME AXIS - THE VERIFIED MASS CO-ELUTES WITH THE UV PEAK - WINDOW 1.5-4.0 MIN.



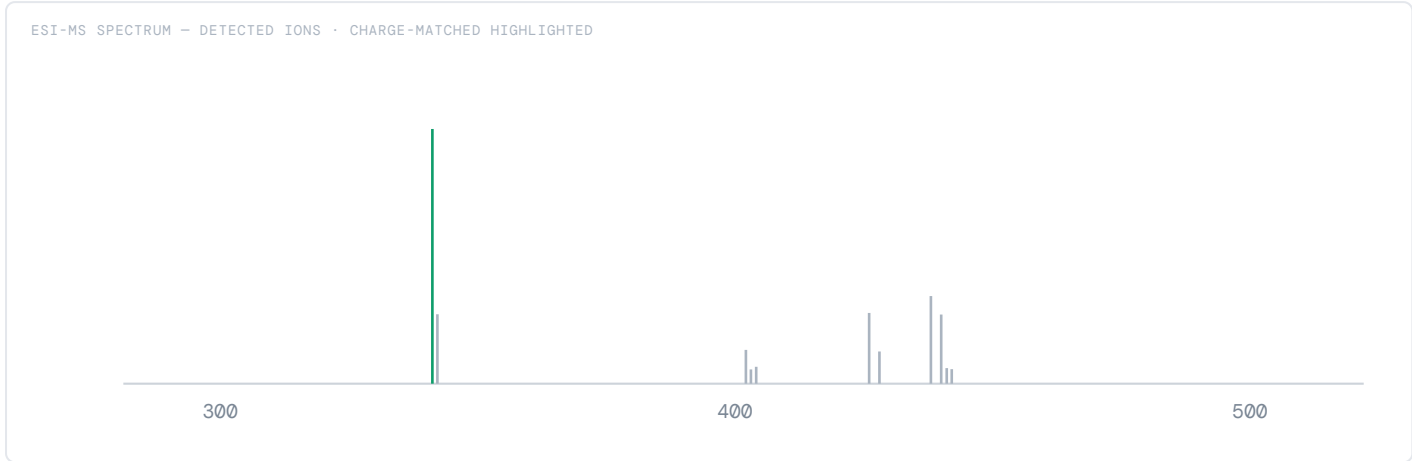
PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N
1	2.507	24,602,587	100.00	86.0	1.22	778

PPI % = Peak Purity Index – the reported purity (spectral homogeneity). Area % = this peak's share of total UV area, not a purity claim. Tailing = peak symmetry; Plates N = column efficiency.





02 LC-MS – IDENTITY ESI · INTACT-MASS DECONVOLUTION



Identity: Confirmed (Cu chelate). The free-peptide base peak (≈ 340.2 Da) confirms GHK-Cu. Under electrospray ionisation the Cu complex dissociates, so the intact complex mass (401.93 Da) is not observed — this is the expected behaviour for a metal chelate, not a mismatch.

03 SYSTEM SUITABILITY

PARAMETER	RESULT	LIMIT	OUTCOME
Tailing factor (T) – main peak	1.22	≤ 3.5	PASS
Theoretical plates (N)	778	–	EARLY-ELUTING
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION TAMPER-EVIDENT RECORD

● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-7F995C-VKKD-A3

INTEGRITY SHA-256 · 3436ebae..88f7a3b1

SOURCE DATA · 20260803 batch_PV-7F995C-VKKD-A3_036.lcd

Scan or visit the URL to confirm this certificate against PeptideVerify's source record.

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 06/08/2026

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