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

CERTIFICATE ID	PREPARED FOR	SAMPLE	EXPECTED MW
PV-57CB0E-PYRB-A7	BioSupplyUK	GHK-Cu	401.93 Da
SERVICE TIER	BATCH / LOT	ANALYSIS DATE	INSTRUMENT
Combined · HPLC + LC-MS	BSUK003	09/07/2026 14:29	Shimadzu LCMS-8040 · PDA
METHOD	DETECTION	MS IONIZATION	
HPLC + ESI-MS	UV 215 nm (±4)	ESI+	

00 ASSESSMENT

SAMPLE AS RECEIVED

PURITY — HPLC

99.9%

Chromatographic Purity (Area %) of the integrated UV signal. Single integrated peak.
What this means: 99.9% 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.

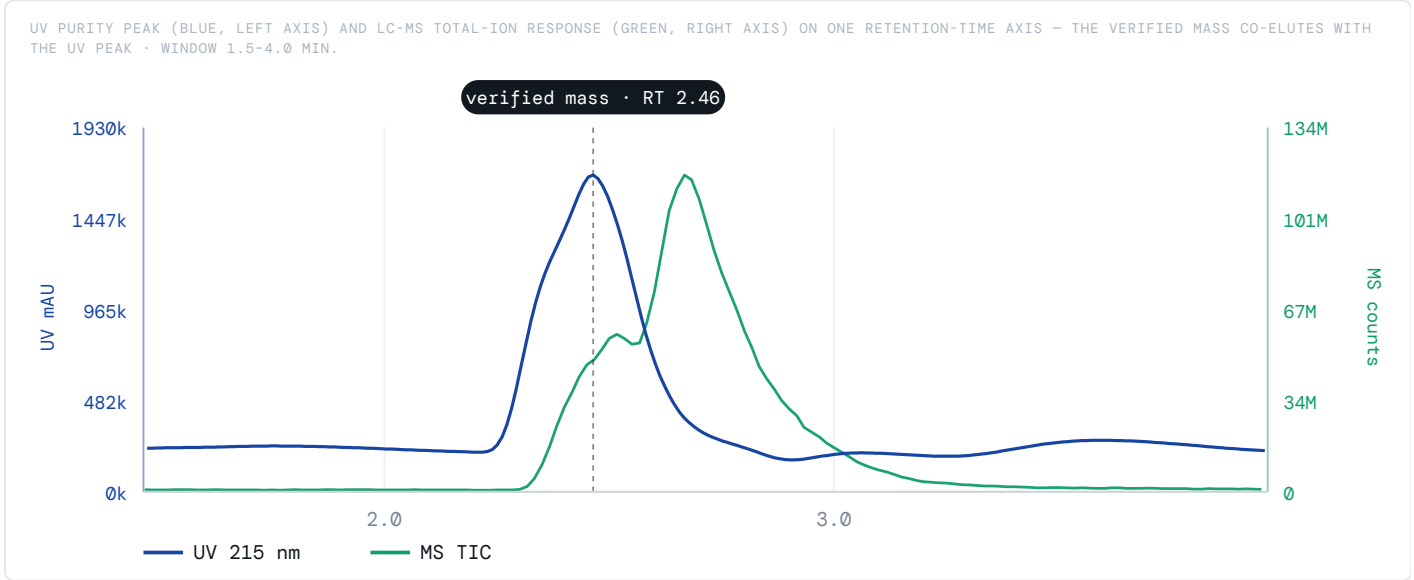
⊕ SAMPLE DESCRIPTION & LAB NOTES

RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	Other	As Expected	2.46 min	As Expected

01 HPLC + LC-MS — CO-ELUTION

PDA 215 NM · ESI TIC

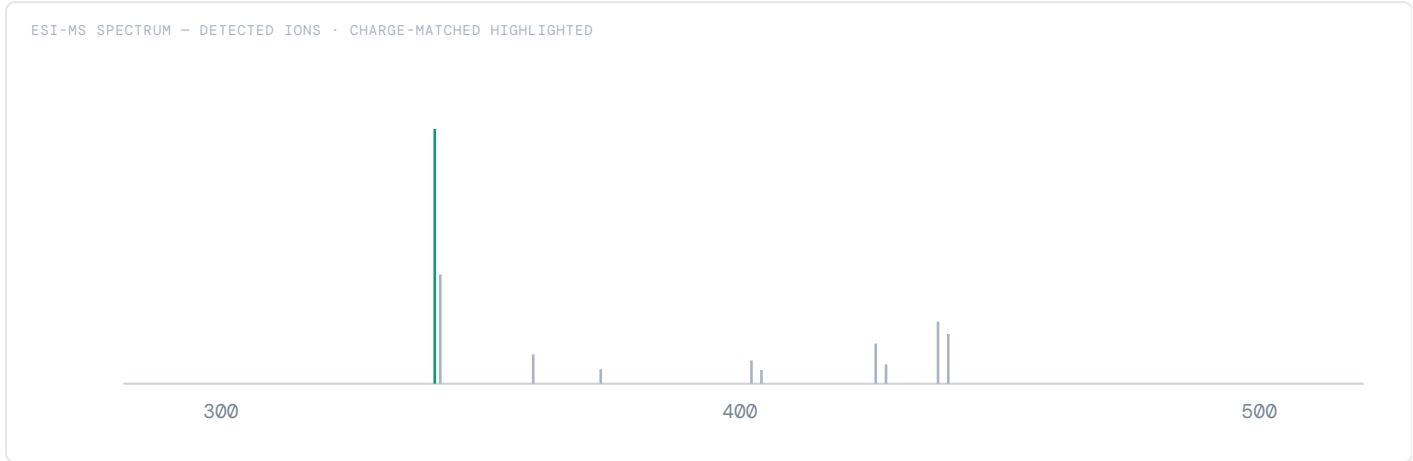


PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N
1	2.464	22,155,224	100.00	99.5	1.26	616

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	1.26	≤ 3.5	PASS
Theoretical plates (N)	616	–	EARLY-ELUTING
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD

● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-57CB0E-PYRB-A7

INTEGRITY SHA-256 · 4ae92e3c...9ec6792c

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

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 10/07/2026

TERMS This certificate reports analysis of the sample as received. It is not a guarantee of other units or batches, and is not an endorsement of any product, seller or vendor. For research use only — not for human consumption, and not a safety assessment or medical advice. Confirm authenticity at peptideverify.co.uk/verify.