

PRODUCT

GHK-Cu

Copper tripeptide-1

CATALOG	VA-GHKCU-50MG
CAS	89030-95-5
FORMULA	C14H22N6O4Cu
MOL. WEIGHT	401.9 avg · 401.10 monoisotopic
SEQUENCE	Gly-His-Lys (copper(II) complex)
FORM	Lyophilized powder
FILL WEIGHT	50 mg
CONTAINER	3 mL vial

BATCH

BATCH IDENTIFIER

VA-2512-0552

MANUFACTURED	2026-04-16
FILLED	2026-05-12
ANALYSED	2026-05-15
RETEST BY	2028-04-16
STORAGE	Refrigerated, 2-8 °C, protected from light

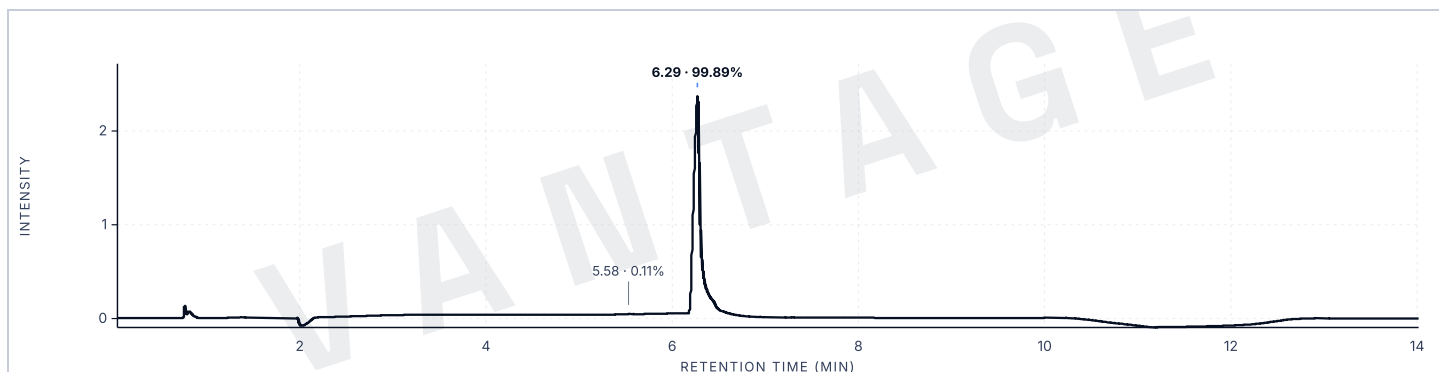
RESULTS

TEST / METHOD	SPECIFICATION	RESULT	STATUS
Appearance Visual inspection (Vantage Aminos)	Blue lyophilized powder	Conforms	PASS
Identity HPLC-UV-MS, positive polarity (+MS)	Theoretical mass ± 1.0 Da	401.11 Da (theor. 401.10)	PASS
Purity HPLC-UV, area % · DAD 210.1-396.6 nm	≥ 98.0 %	99.89 %	PASS
Quantity Quantitation as reported	90-110 % of label (50 mg)	51.022 mg (102.0 % of label)	PASS
Largest single impurity HPLC-UV, area %	Report	0.11 % at 5.58 min	REPORT
Water content Karl Fischer titration	≤ 8 % w/w	5.29 % w/w	PASS

HOW TO VERIFY THIS CERTIFICATE

- 1 All units are shipped from the most recent batch. Confirm the compound and fill weight shown above match the product you ordered.
- 2 This certificate is published on the product page at <https://vantageaminos.co/product/ghk-cu-copper-peptide/>, alongside the certificate for every other batch of this product.
- 3 Any question about this analysis: contact support@vantageaminos.co quoting the batch identifier above.

HPLC CHROMATOGRAM



UV chromatogram, 210.1-396.6 nm

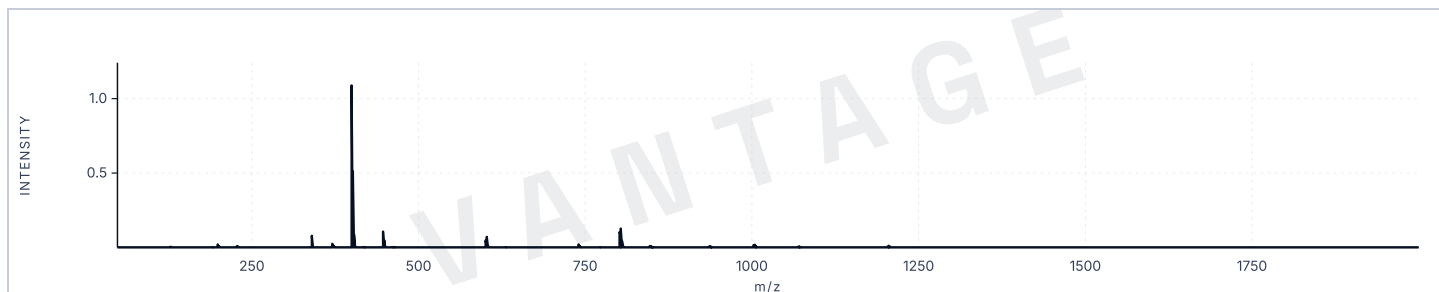
PEAK INTEGRATION

RT (MIN)	AREA	AREA %	ASSIGNMENT
5.58	1.41E+02	0.11	unassigned
6.29	1.28E+05	99.89	GHK Cu

MASS SPECTROMETRY

Technique	HPLC-UV-MS (as printed on certificate)
Ionisation	Positive polarity (+MS)
Scan range	m/z 48.5 – 1999.8 (as plotted)
Theoretical mass	401.10 Da
Observed mass	401.11 Da
Deviation	+0.01 Da

MASS SPECTRUM



Full-scan mass spectrum. Base peak m/z 402.12

HPLC METHOD

Technique	Reverse-phase HPLC with UV detection, MS confirmation
Detection	210.1 - 396.6 nm (DAD range, not a single wavelength)