

Certificate of Analysis

HPLC-verified · documented per batch

PRODUCT NAME	GHK-Cu (Copper Tripeptide-1)
CAS NUMBER	89030-95-5
MOLECULAR FORMULA	$C_{14}H_{22}N_6O_4 \cdot Cu$
MOLECULAR WEIGHT	401.91
BATCH No.	YS048260203
TEST DATE	24 Feb 2026

ITEM	SPECIFICATION	RESULT
Appearance	Blue powder	Conforms
Identification (by MS)	Reference mass 401.91 ± 1 Da	401.69 — Conforms
Solubility	≥ 100 mg/mL in H_2O	Conforms
Peptide purity (by HPLC)	$\geq 98.0\%$	99.89%
GHK content	65.0 – 85.0%	73.99%
Copper content	10.0 – 15.0%	13.73%
Water content (Karl Fischer)	$\leq 8.0\%$	3.79%
Chloride (HCl) content	$\leq 15.0\%$	7.96%
pH	5.0 – 7.0	6.09
Total plate count	≤ 1000 CFU/g	< 1000 CFU/g
Mould & yeast	≤ 100 CFU/g	< 100 CFU/g
Heavy metals (As, Pb, Hg, Cd)	As ≤ 2 · Pb ≤ 10 · Hg ≤ 1 · Cd ≤ 5 mg/kg	Conforms

Only the parameters analysed in the source report are listed above.

CONCLUSION	The product tested conforms with the in-house standard.
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Q.C.

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Q.C. Manager

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