

Copper Peptide GHK-Cu

Copper tripeptide-1 (GHK-Cu) is a copper-complexed peptide ingredient for topical formulation evaluation. Compare peptide identity, purity and the active-content basis before interpreting a powder or solution use level.

Material identity

Ingredient identity	Copper Tripeptide-1
CAS reference	89025-25-2
Catalog appearance	Blue to blue-green powder

Catalog technical specifications

The following are published catalog reference specifications, not analytical results for a supplied lot. Confirm the current specification, method and batch COA before approval.

Purity (HPLC)	>= 99.0%
Recommended use level	20-200 ppm active GHK-Cu (0.002-0.02% w/w finished formula)
Copper content (ICP-MS)	Reported per lot
Acetate residual	<= 0.5%
Water content	<= 5.0%
MS confirmation	Sequence-verified
Total plate count	<= 100 CFU/g
Shelf life	24 months, -20°C ideal

Selection and qualification

What to check for this grade

01. Distinguish HPLC purity from net active content and review the copper and counter-ion information.
02. Use a single concentration basis: active GHK-Cu in the complete finished formula, with adjustment for batch assay.
03. Evaluate pH, chelators, preservation and color stability in the actual system before scale-up.

GHK-Cu powder vs GHK-Cu solution

Compare active concentration and the complete carrier composition. Equal weights of powder and solution do not deliver equal active content.

How do ppm and percent relate for this product?

For mass fractions, 20-200 ppm active GHK-Cu equals 0.002-0.02% w/w, or 20-200 mg/kg of finished formula. Correct the weighed raw material for batch assay and confirm the appropriate target with the current TDS.

Prepare the sample and purchasing brief

Provide the intended formula format, destination market, trial quantity and acceptance criteria. Request the current COA, SDS and TDS, full composition, and relevant storage and handling instructions. Confirm pricing, order minimum, stock, packaging and delivery terms for the actual order.

Catalog handling reference

Packaging	1kg foil bag / glass, cold chain
Storage	2-8°C
Shelf life	24 months, -20°C ideal

[Product details and current enquiry options](#)

[Cosmetic raw material buying guide](#)

[Contact RAWESS about this grade](#)

For ingredient evaluation in cosmetic development. This guide is not a batch COA or a finished-product safety, efficacy or regulatory approval. Trade-name comparisons do not establish branded origin.