

CERTIFICATE OF ANALYSIS

Third-party analytical testing · summary cover sheet

GHK-cu (50mg)

AVL-CU50

AVATA LABS SKU	AVL-CU50
BATCH / LOT	CU50202028
DATE TESTED	2026-05-13
PURITY (HPLC-UV)	99.4%
PERFORMING LAB	Analytical Formulations, Inc.
SCOPE	Microbial · Heavy metals
ARTIFACT ID	coa_eb193821a11c3150d7faba36756f0101

INDEPENDENTLY VERIFIABLE

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ORDERED BY



AVATA LABS

Avata Labs

PRODUCT

NAME GHK-Cu
SKU YPB.221
CATEGORY —

SAMPLE

BATCH CU50202028
TESTED 2026-05-13

DESCRIPTION

Vial with white powder — sealed with plastic security cap. Flag tag attached at neck with manufacturer / product SKU number, PO, and expiration.

PERFORMING LAB

Analytical Formulations, Inc.
8940 Fourwinds Drive STE 107, Windcrest, TX 78239
<https://analyticalformulations.com>
Lab-certified result data: 2026-06-02

Vial image
not provided

Submitted vial — YPB.221



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Purity Analytics LLC

ISSUED 2026-06-21 16:54:57 UTC
ISSUER Sectigo RSA Document Signing CA
ALGORITHM RSA-SHA512
FIELD PuritySignature
TYPE adbe.pkcs7.detached
CERT SERIAL 80EE9C34821454C706346FA64888B1B5
CERT SHA-256 E2467E56CFEE3DA8...AF9CBF0875552610
TIMESTAMP Sectigo RFC 3161 TSA

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ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
GHK-Cu	Qualitative ID	TS λ_{max} is a match compared to its characteristic reference standard	Matches	✓
	Percent Purity (Correlation Coefficient)	NLT 98% $r_{xy} = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\sum (x_i - \bar{x})^2} \cdot \sqrt{\sum (y_i - \bar{y})^2}}$	99.4 %	✓
GHK-Cu	Quantitative Assay (Beer-Lambert)	NLT 95% label claim (mg/vial) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	5761 mg	✓
	Heavy Metals (Total Quantity)	NMT 100ppb/vial (Pb, Cd, Hg, Ni, Fe, Co)	<100 ppb	✓
	TAMC (Total Aerobic Microbial Counts)	NMT 100 CFU @ 37°C/48h	0 CFU	✓
	TYMC (Total Yeast and Mold Counts)	NMT 10 CFU @ 30°C/48h	0 CFU	✓



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METHODS

- Qualitative ID - Lambda Max
- Percent Purity - Correlation Coefficient
- Quantitative Assay - Beer-Lambert
- Heavy Metals - Total Quantity
- TAMC (Total Aerobic Microbial Counts)
- TYMC (Total Yeast and Mold Counts)

Microbial specifications follow the Substances for Pharmaceutical Use compendium. UV-Vis measurements performed on a Jenway 6715 UV/Vis Spectrophotometer.



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PERFORMING LABORATORY & CERTIFICATION

PERFORMING LABORATORY

Analytical Formulations, Inc.

8940 Fourwinds Drive STE 107, Windcrest, TX 78239

<https://analyticalformulations.com>

A laboratory-authorized user certified on 2026-06-02 that the submitted result data and the Purity Analytics COA generated from that data accurately represent the laboratory's reported findings for the sample identified in this report.

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NOT FOR HUMAN OR VETERINARY CONSUMPTION. NOT FOR CLINICAL, DIAGNOSTIC, THERAPEUTIC, OR DRUG USE.

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DISCLAIMER & SCOPE OF TESTING

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