

Customer:
Pure Health Peptides

EA Sample ID: 25EA1222-001
Sample Name: GHK-Cu
Sample Type: Powder
Batch/Lot: TUY-122025



CERTIFICATE OF ANALYSIS

Summary of Results

Analysis Type	Method	Date Tested	Status
Peptides	HPLC	12/22/2025	Complete



Serving Size: N/A

Peptide Analysis

Analyte	Result	Specification	LOQ (%)
GHK-Cu	99.3%	>99%	0.1

Identity of the analyte was confirmed by retention time concordance with a certified reference standard, per USP <621>

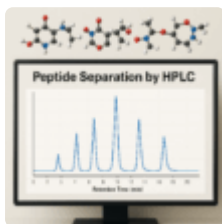
NOTES: Injectable peptides may include acceptable salts, sugars, or buffering agents added to improve solubility and stability. These excipients are non-chromophoric, typically not detected by HPLC, and are not considered impurities.

LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION



Noel Samsum
Laboratory Director
22-Dec-2025

The sample analyzed was inspected and is free from visual mold, mildew, and foreign matter. The testing procedures, equipment calibration, and maintenance are all in accordance with ISO/IEC 17025:2017 standards. The presented report is only applicable to the sample specified above and may not be applied to any similar or identical products. Reports are prohibited from being reproduced with alterations of any kind.



Rp-hplc Peptide Purity Analysis Asparagine and glutamine deposits can go through deamidation, altering the peptide's fee and hydrophobicity. Deamidation is one reason storage problems [PharmaLabGlobal fast delivery](#) matter, specifically after a peptide has been reconstituted. A contemporary HPLC system consists of numerous incorporated components, each serving a particular feature in the separation and discovery process. Premium research study peptides, carefully evaluated, lab-verified, and trusted by specialists throughout the UAE. Emirates Peptides Study Team curates evidence-based material on peptide science for research study specialists throughout the UAE and beyond. Mass spectrometry is a widely used procedure observed as having outstanding sensitivity. All peptides marketed by Peak Laboratory are designated specifically for in-vitro lab research usage and are not for human usage. Peptide testing paperwork should be interpreted as batch-level analytical evidence

for research material, not as clinical-use authorization. HPLC can support cases regarding chromatographic purity, impurity height burden, and deterioration trends when the technique is appropriate and the chromatogram is readily available. As the drug advances in the next phase, nevertheless, it becomes crucial to enhance the method and make it more reproducible. HPLC technique recognition comes to be necessary when Tox research studies are planned for preparing IND application filing. Therefore, we have to prioritize robust HPLC method development and analysis even throughout the earlier phases. By doing this, the approaches used in preclinical phase can be flawlessly moved to the professional programs and would certainly not call for substantial HPLC method growth and recognition. Peptide pureness determines how much of a sample contains the intended series contrasted to various other chemical or biological varieties. High purity is necessary for reproducible experiments, accurate biochemical dimensions, and trustworthy governing submissions.

The Duty Of Hplc Evaluation In Peptide Characterization

High Performance Fluid Chromatography (HPLC) technique development, recognition, and analysis is just one of one of the most widely used methods for drug screening in formulas and biological fluids. Purity is computed by dividing the major peak area by the total incorporated area of all UV-absorbing tops. Consistent settings for standard, assimilation, circulation price, and gradient conditions are important for similar information. William is a research expert at Peptides Lab UK, being experts in research peptides, laboratory compounds, and sourcing criteria for high-purity peptide items. Peptides are fragile and can quickly become endangered if you aren't cautious. This is why logical screening during solution advancement is so important.

What Is Hplc Technique Growth, Validation, And Hplc Evaluation Solution?

How much does peptide HPLC testing price?

The price of peptide analysis service varies significantly based on which techniques your governing package calls for: HPLC-UV Analysis: \$& #x 24; 300 & #x 2013; & #x 24; 800 per sample (basic pureness evaluation) LC-MS (Liquid Chromatography-Mass Spectrometry): \$& #x 24; 600 & #x 2013; & #x 24; 1,500 per sample (molecular weight confirmation).

Third-party testing removes this predisposition by presenting an outside entity with no monetary risk in positive results. Scientists can visit Optima Labs and go into the COA code to confirm batch credibility and pureness in seconds. This traceable verification process offers full visibility from synthesis to distribution.

- As each material leaves the column, a detector determines it and documents the result as a top on a chart called a chromatogram.
- We supply premium, preclinical dose formula analysis for GLP and non-GLP studies to guarantee your research study starts on the best course.
- The peptide bond in the peptide is the amide bond, which usually has solid absorption at 220 nm (similar to protein), so we usually pick 220 nm as the discovery wavelength of the peptide.
- This technique includes HPLC pureness analysis and dimension exclusion chromatography (SEC).
- All peptides sold by Peak Laboratory are desired solely for in-vitro research laboratory study use and are except human usage.
- Consistent settings for baseline, combination, flow rate, and gradient conditions are crucial for equivalent information.

Chiral approaches can attend to enantiomeric pureness where stereochemistry is an issue. Residual-solvent or water-content tests can matter in production or stability contexts. These are useful in the best setting, however

they should be interpreted as method-specific evidence rather than an universal substitute for HPLC and MS. Peptide screening is powerful, but researchers ought to check out the range of each technique very carefully.