





Proudly Owned and Operated in the USA

Searchable via: [FreedomDiagnosticsTesting.com](https://freedomdiagnostics.com)

|         |                               |
|---------|-------------------------------|
| Product | GLP-1/GIP/Glucagon RT<br>10mg |
|---------|-------------------------------|

## Certificate of Analysis

|                  |                |
|------------------|----------------|
| Assession Number | 2508010012     |
| Client           | US Peptide Co. |
| Search Code      | uspe2508010012 |

|                |          |
|----------------|----------|
| Received Date: | 8/1/2025 |
| Reported Date: | 8/2/2025 |

|     |      |
|-----|------|
| Lot | O367 |
|-----|------|

All analyses are conducted for research purposes and performed in duplicate in accordance with USP <85> guidelines

| Endotoxin Threshold |              | Result |
|---------------------|--------------|--------|
| Replicate 1         | ≤ 0.05 EU/mL | PASS   |
| Replicate 2         | ≤ 0.05 EU/mL | PASS   |



*Stephen Schmidt*

COA: 2508010012

Stephen Schmidt  
Principle Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.

Searchable via: [FreedomDiagnosticsTesting.com](https://freedomdiagnostics.com)

Contact at: [Admin@FreedomDiagnostics.net](mailto:Admin@FreedomDiagnostics.net)

American Made Peptides High-purity Lab-grade Peptides Lilly is building a physical lab where robots run experiments, feed information to NVIDIA's AI, and the AI makes the following experiment over night. CAR-T Cells Repurposed for Aging Normally a cancer cells therapy, CAR-T therapy was crafted by Cold Spring Harbor labs to hunt "zombie" (senescent) cells in the gut. A solitary dose in computer mice restored the digestive tract obstacle and nutrient absorption for over a year. The typical clinical system has voids, and patients are coming under them. Greater purity is vital for research study because contaminations can hinder speculative results and compromise the reproducibility of research studies.

## What Analytical Techniques Were Made Use Of?

Undoubtedly, HILIC/CEX is essentially CEX in the presence of high focus of acetonitrile (50-- 80%). Without a doubt, it has actually equaled or even exceeded RP-HPLC for specific peptide blends (4,20,27,28). HPLC screening measures peptide purity by dividing the target substance from impurities, synthesis byproducts, and deterioration products. The examination measures what portion of the sample is the real peptide versus pollutants. Polluted peptides show multiple heights on HPLC chromatograms, molecular weight discrepancies in mass spectrometry, or visible bits in solution. Independent laboratory screening spots contamination prior to materials get to researchers.

# Exactly how to choose the best peptide?

Prior to diving right into peptide therapies, it's critical to clearly specify your health and health goals. Are you aiming to drop weight, improve muscle mass recuperation, revitalize your skin, or merely improve your overall power levels? By determining your needs, you can focus on peptides [Research Peptides](#) that a lot of efficiently target those areas.

## Why Should Scientists Demand Third-party Recognition?

Products like Dihexa (10mg tablet computers), Ibutamoren (MK-677), and SLU-PP-332 are developed for easy, hassle-free daily usage. SLU-PP-332 Oral Tablets (0.25 mg, 60 tablet computers)-- \$300Cutting-edge "workout mimetic" that triggers ERR $\alpha$  (Estrogen-Related Receptor Alpha) to regulate mitochondrial feature and metabolic efficiency. Boosts endurance, advertises fat metabolism, and enhances energy effectiveness-- excellent for athletes and those focused on ideal body composition. This level of transparency is unusual in the peptide world, and it's what keeps our patients safe. If you have actually been paying attention to the wellness globe recently, you recognize peptides are all over.

- Viewing this site or involving with educational content does not establish a provider-patient relationship without conclusion of a formal consultation and clinical consumption process.
- Mass spectrometry offers molecular verification by spotting the exact mass of the peptide and any co-eluting types or abbreviated series with high precision.
- The purity is after that evaluated as the portion of the primary height area versus complete locations, offering a precise procedure of how pure the peptide is [2]
- Supports enhanced muscle advancement, enhanced strength, and improved recovery-- specifically investigated for muscle-wasting problems and performance enhancement.

## An Introduction To Peptide Synthesis

Every peptide we provide-- whether it's a lyophilized powder or a dental tablet-- comes from pharmaceutical-grade resources with specific application, clear labeling, and third-party testing. We're talking 23+ items varying from \$150 to \$700, each one backed by clinical study and clear component listings. As the research study peptide industry remains to grow, understanding how peptide purity screening works can assist scientists make more enlightened sourcing decisions and far better examine distributor transparency. When reviewing peptide top quality, lots of people concentrate on purity (HPLC) and identification (mass spec). Those confirm you have the right particle and that it's relatively tidy from peptide-related by-products. A peptide missing out on one amino acid may appear 99% pure on HPLC, however would certainly be 0% the wanted peptide. The pureness of peptides is among one of the most essential variables to think about when purchasing online. Anything lower may contain impurities that can influence both the efficiency and safety and security of the item. Most reputable suppliers will certainly offer a malfunction of the pureness on their web site. Aliquoting reconstituted peptides into single-use parts stops repeated freeze-thaw cycles. The COA paperwork normally includes recommended reconstitution procedures details to each peptide. When a peptide is classified 99% pure, it means that 99% of what's in your vial is the exact peptide you purchased, with just about 1% made up of contaminations.