

Certificate of Analysis

Product Information

- Product Name:** GHRP-2 (Growth Hormone Releasing Peptide-2)
- CAS Number:** 158861-67-7
- Molecular Formula:** C45H55N9O6
- Molecular Weight:** 818.0 g/mol
- Appearance:** White to off-white lyophilized powder

Batch Information

- Batch / Lot Number:** GHRP2-2025-003
- Quantity:** 100mg
- Date of Manufacture:** 08-Sep-2025
- Retest Date:** 08-Sep-2027
- Storage Conditions:** -20 °C, dry and protected from light

Analytical Results

| Test | Specification | Result | Method |
|----------------------------------|--|--------------------------------|--------------------|
| Identity (Mass Spectrometry) | Consistent with theoretical mass of 818.0 Da | 818.1 Da (M+H) ⁺ | ESI-MS |
| Purity (HPLC) | ≥ 98.0 % (by area) | 99.3 % | RP-HPLC |
| Sequence Confirmation | As per GHRP-2 peptide sequence | Confirmed | MS/MS |
| Appearance | White to off-white lyophilized powder | White powder | Visual |
| Solubility | Soluble in sterile water (≥1 mg/mL) | Pass | Visual |
| Residual Solvent (if applicable) | ≤ 0.5 % | <0.2 % | GC |
| Water Content (Karl Fischer) | ≤ 5.0 % | 2.4 % | KF titration |
| Acetate Content | Report only | 4.8 % | Ion chromatography |
| Peptide Content | ≥70 % | 77 % | Nitrogen analysis |
| Endotoxin | < 0.25 EU/mg | 0.06 EU/mg | LAL test |
| Microbial Limit Test | <100 CFU/g, no pathogens | Pass | USP <61>/<62> |

Compliance Statement

The above batch of **GHRP-2** complies with the stated specifications.

This batch of **GHRP-2** meets all specified analytical and microbiological criteria and is suitable for **research use only**. Manufactured and tested under controlled conditions to ensure consistency, purity, and integrity.