

Independent Research Testing Center  
875 Innovation Drive, Cambridge, MA 02139, USA

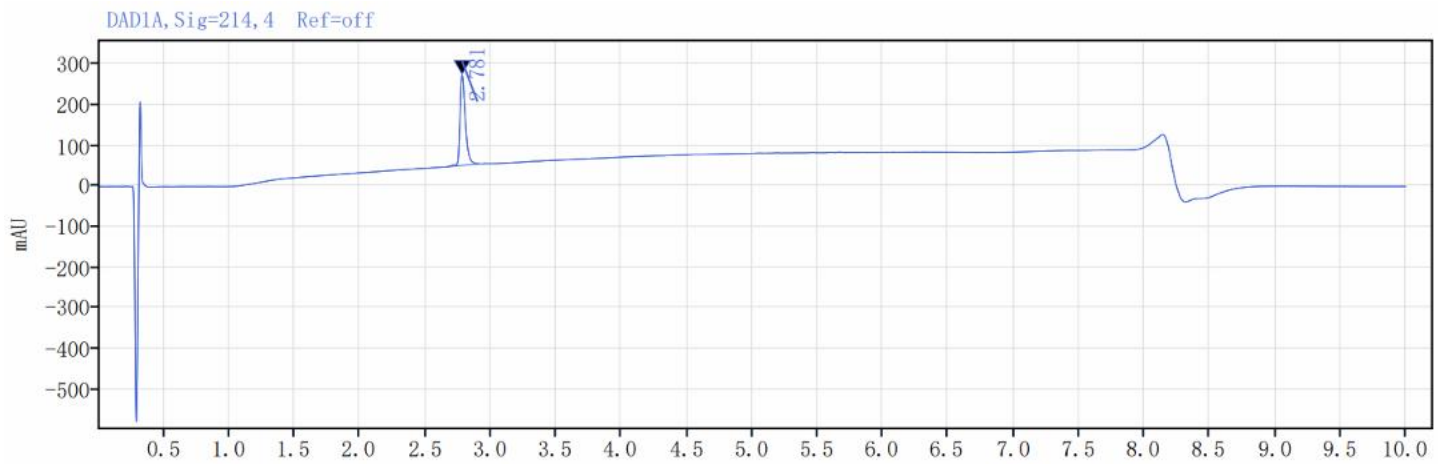
## CERTIFICATE OF ANALYSIS (COA)

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Product Name           | Tesamorelin 5 mg (Injectable Research Vial)       |
| Chemical Name          | Tesamorelin (trans-3-hexenoyl-GHRH 1-44)          |
| CAS Number             | 218949-48-5                                       |
| Batch / Lot Number     | TESA050508                                        |
| Manufacturing Date     | 2026-05-08                                        |
| Retest / Expiry Date   | 2028-05-08                                        |
| Net Content            | 5 mg per vial                                     |
| Storage Conditions     | Store at 2–8°C, protected from light and moisture |
| Appearance             | White to off-white lyophilized powder             |
| Molecular Formula / MW | C221H366N72O67S / 5135.86 g/mol                   |

### Analytical Results

| Test Item       | Specification                         | Result    | Method       |
|-----------------|---------------------------------------|-----------|--------------|
| Identification  | Conforms                              | Conforms  | LC-MS        |
| Purity (HPLC)   | ≥98.0%                                | 99.41%    | HPLC         |
| Peptide Content | 95.0–105.0%                           | 99.8%     | HPLC         |
| Appearance      | White to off-white lyophilized powder | Conforms  | Visual       |
| Water Content   | ≤3.0%                                 | 0.6%      | Karl Fischer |
| Heavy Metals    | ≤10 ppm                               | <10 ppm   | ICP-MS       |
| Endotoxin       | <10 EU/mg                             | <10 EU/mg | LAL Test     |

# HPLC Chromatogram



*For laboratory research use only. Not for human consumption.*

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Tester Name | Dr. Michael Carter                                                                  |
| Signature   |  |
| Test Date   | 2026-05-26                                                                          |