PeptideSource
B2B RESEARCH MATERIALS

PUBLIC SAMPLE
PS-ACTH139-2606-076

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# CERTIFICATE OF ANALYSIS

Public sample verification record. Live customer batches require QA confirmation before file release.

PRODUCT NAME
**ACTH 1-39**

MOLECULAR FORMULA
**C207H308N56O58S**

MOLECULAR WEIGHT
**4541 g/mol**

CAS NO.
**9002-60-2**

COA NO.
**COA-PS-ACTH139-2606-076**

BATCH NO.
**PS-ACTH139-2606-076**

SPECIFICATION
**5 mg / vial**

MFG. DATE
**20 June 2026**

RETEST DATE
**20 June 2028**

STORAGE
**-20 °C, protect from light**

| TEST ITEM | ACCEPTANCE CRITERIA | RESULT | STATUS |
|---|---|---|---|
| **Appearance** | White to off-white lyophilized powder | White to off-white lyophilized powder | **Pass** |
| **Identification (LC-MS)** | Consistent with reference standard or controlled identity file | Conforms | **Pass** |
| **Peptide Purity (RP-HPLC)** | NLT 98.0% | 98.73% | **Pass** |
| **Related Impurities (HPLC)** | Each impurity NMT 1.0%; total NMT 2.0% | Each <= 0.60%; total 1.33% | **Pass** |
| **Mass Spectrum (ESI-MS)** | 4541 Da theoretical | 4541 Da | **Pass** |
| **Peptide Content (Assay)** | NLT 90.0% on dry basis | 92.2% | **Pass** |
| **Water Content (Karl Fischer)** | NMT 7.0% | 1.1% | **Pass** |
| **Residual Solvents (GC)** | ACN NMT 410 ppm; DCM NMT 600 ppm; MTBE NMT 5000 ppm | ACN 221 ppm; others N.D. | **Pass** |
| **Heavy Metals (as Pb)** | NMT 10 ppm | < 2 ppm | **Pass** |
| **Bacterial Endotoxins** | NMT 1 EU/mg | < 0.10 EU/mg | **Pass** |
| **Microbial Limits** | TAMC NMT 100 cfu/g; TYMC NMT 100 cfu/g | TAMC < 20; TYMC < 20 cfu/g | **Pass** |
| **Fill Content** | Catalog fill +/-10% | 5 mg / vial | **Pass** |

## QA APPROVAL

Testing completed 20 June 2026

*Kevin Fang*

Quality Assurance Reviewer - Kevin Fang · 21 June 2026

## DOCUMENT CONTROL

RELEASE DECISION
**Approved for sample verification**

DOCUMENT STATUS
**Demo record - QA confirmation required**

Sample notice: This public record demonstrates the PeptideSource verification format.
Current customer lots require QA confirmation, order context, or controlled access before full release files are displayed.