

|                                                           |                                |                                 |                               |
|-----------------------------------------------------------|--------------------------------|---------------------------------|-------------------------------|
| REPORT ID<br>AF-2026-430063                               | VERIFICATION CODE<br>N4BU-7RXL | CLIENT<br>China Peptide Source  | STATUS<br>ACTIVE              |
| PRODUCT<br>Human Chorionic Gonadotropin (hCG)<br>7,000 IU | BATCH / LOT<br>HCGP-51X3       | SAMPLE RECEIVED<br>Jul 28, 2026 | ANALYSIS DATE<br>Jul 30, 2026 |

CORE ANALYTICAL PANEL

| TEST PARAMETER | METHOD                     | RESULT    | SPECIFICATION | STATUS   |
|----------------|----------------------------|-----------|---------------|----------|
| Purity         | SEC-HPLC (Purity / Area %) | 99.49%    | ≥99.00%       | Conforms |
| Identity       | LC-MS                      | 30–50 kDa | 30–50 kDa     | Conforms |
| Potency        | Validated Bioassay         | 100.1%    | 90.0–110.0%   | Conforms |

BIOSAFETY & SCREENING

| SAFETY TEST                 | METHOD | OBSERVED LEVEL | LIMIT       | STATUS |
|-----------------------------|--------|----------------|-------------|--------|
| Endotoxin Assay (LAL)       | LAL    | 0.936 EU/mg    | ≤ 5.0 EU/mg | Pass   |
| Heavy Metal Screen (ICP-MS) | ICP-MS | 0.031 ppm      | < 0.1 ppm   | Pass   |

ADDITIONAL ANALYTICAL RESULTS

| TEST PARAMETER            | METHOD                         | RESULT   | SPECIFICATION         | STATUS   |
|---------------------------|--------------------------------|----------|-----------------------|----------|
| Net Content / Potency     | Gravimetric                    | 7031 IU  | 7,000 IU Target       | Conforms |
| Appearance                | Visual Inspection              | Conforms | Product specification | Conforms |
| Protein/Peptide Integrity | SEC-HPLC (Monomer / Integrity) | 99.0%    | ≥ 95.0%               | Conforms |
| Water Content             | Karl Fischer                   | 0.45%    | ≤ 1.0%                | Pass     |
| Aggregates                | SEC-HPLC (Aggregates)          | < 0.5%   | ≤ 2.0%                | Pass     |

METHOD & SAMPLE SUMMARY

|                                              |                                 |                         |
|----------------------------------------------|---------------------------------|-------------------------|
| PRIMARY METHOD<br>SEC-HPLC (Purity / Area %) | MATRIX<br>Lyophilized Powder    | SAMPLE SIZE<br>7,000 IU |
| METHOD REFERENCE<br>AF-BIO-QC-01             | OVERALL DISPOSITION<br>CONFORMS |                         |

VERIFICATION

N4BU-7RXL

<https://analyticalformulations.com/verify/N4BU-7RXL>

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