AMINO+
RESEARCH PEPTIDES

# CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| **Product Name** | EPO | **Strength** | 4000IU / vial |
| **Batch Number** | EPO-4000-052420 | **CAS Number** | 2023788-19-2 |
| **Molecular Formula** | $C_{225}H_{348}N_{48}O_{68}$ | **Molecular Weight** | 4813.45 g/mol |
| **Manufacture Date** | May 22, 2026 | **Report Date** | May 22, 2026 |
| **Appearance** | White lyophilized powder | **Storage Conditions** | Store refrigerated (2–8°C)<br>Protect from light |
| **Peptide Sequence** | Y-Aib-EGXGTFTSDYSI(N-Me)-LDKIAQKAFVQWLIAGGPSSGAPPPS-$NH_2$ (EPO) | | |
| **Packaging** | 4000IU per sterile vial | **Intended Use** | Research purposes only |

| TESTS | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Appearance** | White lyophilized powder | Conforms |
| **Identification (MS)** | Conforms to reference standard | Conforms |
| **Purity (HPLC)** | ≥98.0% | 98.8% |
| **Peptide Content (HPLC)** | ≥80.0% | 91.7% |
| **Acetate Content (HPLC)** | ≤12.0% | 6.8% |
| **Water Content (Karl Fischer)** | ≤10.0% | 3.7% |
| **Mass Balance** | 95.0% – 105.0% | 98.6% |
| **Endotoxin (LAL)** | ≤1.0 EU/mg | <0.2 EU/mg |
| **Residual Solvents (GC)** | Meets ICH Q3C guidelines | Conforms |
| **Sterility** | Sterile | Conforms |

**ANALYTICAL METHODS**

HPLC, LC-MS, Karl Fischer, GC, UV, LAL conducted in accordance with in-house validated methods.

**NOTES**

This product is intended for laboratory research use only.

**Prepared By:**
Quality Control Department

**Approved By:**
Quality Assurance Department

QUALITY ASSURANCE QA APPROVED

**FOR RESEARCH PURPOSES ONLY**

Not for diagnostic or therapeutic use.