Certificate Of Analysis

NO:026-K61-TSX

Peptide Name	Human Chorionic Gonadotropin (HCG)		
Molecular Formula	C1105H1770N318O336S26	**Manufacturing**	2026/09/02
Molecular Weight	~36.7 kDa	Report Date	2026/09/07
CAS No.	9002-61-3	Re-test Date	2028/09/02
Appearance	White to off-white lyophilized powder	Packing size	5000 IU/vial
Reference Standard	Enterprise Standard	Storage conditions	Store at 2-8°C (short-term) or -20°C (long-term), protect from light
Sequence	α-subunit (92 AA) disulfide-linked with β-subunit (145 AA)		

Tests	Specifications	Results
Appearance	White to off-white lyophilized powder	Conforms
Identification	Conforms to reference standard	Conforms
Potency / Bioassay	90.0% – 115.0% of labeled IU (e.g., ≥ 4500 IU/vial)	5250 IU/vial (105.0%)
Purity (SEC-HPLC)	≥ 98.0% (Intact monomer peak)	99.10%
Free Subunits & Aggregates	Total impurities ≤ 2.0% (Free α/β chains ≤ 1.5%)	0.90%
Water Content (Karl Fischer)	≤ 5.0%	2.80%
pH Value	6.0 – 8.0	6.85
Bacterial Endotoxins	≤ 0.05 EU/IU (或 ≤ 5.0 EU/mg)	< 0.01 EU/IU

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker**：Bowen Yang