STERILITY & SAFETY TEST REPORT

NO:023-G81-TSX

1. GENERAL INFORMATION

Product Name	GHK-CU	**Report No.**	023-G81-TSX
Lot/Batch No.	PEP-20260810A	**Specification**	100 mg/vial
Manufacturer / Client	Peptide X	**Sample Quantity**	20 vials
Manufacturing Date	Aug. 10. 2026	**Testing Period**	Aug. 10.2026 - Aug. 24. 2026
Testing Standard	USP <71> / EP 2.6.1 / ChP 2020 (1101)	**Test Method**	Membrane Filtration Method

2. TEST ENVIRONMENT & CULTURE MEDIA

CULTURE MEDIA TYPE	INCUBATION TEMP	INCUBATION PERIOD	ENVIRONMENTAL CLEANLINESS
Fluid Thioglycollate Medium (FTM)	30°C - 35°C	14 Days	Grade A Laminar Airflow
Tryptic Soy Broth (TSB)	20°C - 25°C	14 Days	within Grade B Background

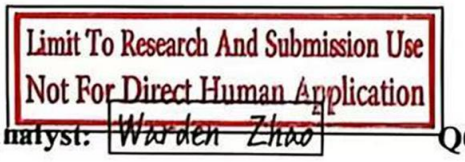
3. TEST ITEMS & ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	TEST RESULT	VERDICT
Aerobic & Anaerobic Bacteria Sterility	FTM medium, 30°C-35°C incubation for 14 days. Must remain clear with no microbial growth.	No growth observed after 14 days of incubation. Clear broth.	PASS
Fungi / Yeast / Mold Sterility	TSB medium, 20°C-25°C incubation for 14 days. Must remain clear with no microbial growth.	No growth observed after 14 days of incubation. Clear broth.	PASS
Bacterial Endotoxins (LAL Test)*	Complies with USP <85> / EP 2.6.14. Endotoxin level < 5.0 EU/mg.	Tested Value: < 0.25 EU/mg	PASS
Method Suitability / Positive Control	Inoculated with sensitive control strains (e.g. S. aureus). Growth observed within 24-48h.	Abundant microbial growth in control strains. Method valid.	PASS

4. ANALYTICAL CONCLUSION

The submitted sample of GHK-CU (Batch No.: PEP-20260810A) was tested for sterility in accordance with USP <71>, EP 2.6.1, and ChP 2020 (1101) standards over a 14-day incubation period. Based on the analytical findings, the sample CONFORMS TO ALL STERILITY AND SAFETY SPECIFICATIONS.

For research use only. Direct human application is prohibited.



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