Certificate Of Analysis

NO:026-M82-TSX

Peptide Name	MGF		
Molecular Formula	$C_{121}H_{199}N_{40}O_{40}$	**Manufacturing**	2026/09/06
Molecular Weight	2868.19	**Report Date**	2026/09/11
CAS No.	12020-86-9	**Re-test Date**	2028/09/06
Appearance	white powder	**Packing size**	1Kg/bag
Reference Standard	Reference Ch.p	**Storage conditions**	Cool dry place(2-8℃, away from the light)
Sequence	Tyr-Gln-Pro-Pro-Ser-Thr-Asn-Lys-Asn-Thr-Lys-Ser-Gln-Arg-Arg-Lys-Gly-Ser-Thr-Phe-Glu-Glu-Arg-Lys		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Purity(HPLC)	≥98.0%	99.55%
Acetate Content(HPLC)	≤12.0%	10.8%
Water Content (Karl Fischer)	≤10.0%	3.16%
Peptide Content (N%)	≥80.0%	85.1%
Mass Balance	95.0~105.0%	Conforms

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