

Certificate of Analysis

Product Name:	Tirzepatide (Specification:10mg)	
CAS No.:	2183516-74-1	Lot No.: TIRZ10-20260612V
Molecular Formula:	$C_{225}H_{348}N_{48}O_{77}$	Manufacturing Date: 2026.06.12
Molecular Weight:	4813.50 Da	Retest Date: 2027.06.12
Peptide Sequence:	H-Tyr-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Aib-Glu-Gln-Leu-Ala-Gln-Lys-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-Lys-Lys-Lys-Lys-Lys-Lys-OH	
Store at:	Lyophilized bulk powder: Store at $\leq -20^{\circ}\text{C}$, protected from light & moisture Reconstituted solution: Store at $2-8^{\circ}\text{C}$, use within 7 days	

TEST	SPECIFICATION	RESULT
Appearance	White to off- white lyophilized powder	Conform
Purity (HPLC)	$\geq 98.0\%$	99.45%
Total Related Substances	$\leq 3.0\%$	0.55%
Peptide Content (Nitrogen Assay)		
NLT 80.0%	$\geq 80.0\%$	83.2%
Water Content	$\leq 8.0\%$	4.3%
Acetic acid Content	$\leq 12.0\%$	6.8%
MS (ESI)	Match theoretical molecular ion	Consistent with target mass
Endotoxin (LAL)	≤ 5 EU/mg protein	< 0.6 EU/mg
Aerobic Microbial Count	≤ 100 cfu/g	< 10 cfu/g
Yeast & Mould Count	≤ 10 cfu/g	< 10 cfu/g

Conclusion: The product conforms with enterprise standard and qualified.

QC Director: Nan Fang

1.The material is non-explosive, non-corrosive, non-radioactive, non-flammable, non-toxic and harmful, and is not a raw material for the manufacture of chemical weapons.

2.This product is a sample of chemical synthesis (not of a biological origin i.e. not of animal, human or plant origin)

3.The above material is to be used exclusively for in vitro laboratory research purposes only.

Anhui Rentong Import and Export Co.,LTD