PURE PEPTIDES

BIOPHARMACEUTICALS

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CERTIFICATE OF ANALYSIS

PRODUCT QUALITY DOCUMENTATION

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Issue Date	09 Mar 2026
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Revision	1.0

1. PRODUCT INFORMATION

Product Name	Tirzepatide
Product Code	PP-TIRZ-001
CAS Number	2023788-19-2
Batch Number	TERZ-202-606-17
Manufacturing Date	09 Mar 2026
Retest Date	09 Mar 2028
Quantity	50 mg kit (10 x 5 mg)
Appearance (Product)	White lyophilised powder
Intended Use	For research purposes only. Not for human consumption.

Tirzepatide

Acylated 39-residue peptide

Formula: C225H348N48O68
MW: 4813.5 g/mol
Class: GIP / GLP-1 receptor agonist peptide
Modified peptide with C20 fatty-diacid side chain
CAS: 2023788-19-2

2. SPECIFICATIONS

Test Parameter	Specification	Method
Appearance	White lyophilised powder	Visual
Identity	Conforms to reference standard	LC-MS
Purity (HPLC)	≥ 99.2%	HPLC (UV)
Peptide Content	≥ 98.0%	HPLC
Water Content (Karl Fischer)	≤ 5.0%	KF
Residual Solvents	Meets ICH Q3C guidelines	GC
Microbial Limit (TAMC/TYMC)	≤ 100 CFU/g / ≤ 10 CFU/g	USP <61>, <62>
Endotoxins	≤ 0.25 EU/mg	LAL
Heavy Metals (as Pb)	≤ 10 ppm	ICP-MS

3. CONCLUSION

This batch of Tirzepatide complies with the above product specifications.	**RESULT:**	**PASS**

4. APPROVAL

	Name	Position	Signature	Date
Prepared by	Zheng Pal	Quality Assurance	Zheng Pal	09 Mar 2026
Approved by	Sarah Mitchell	Quality Control	S Mitchell	09 Mar 2026

LAB TESTED
INDEPENDENT REPORT
QUALITY ASSURED • RESEARCH PURPOSES ONLY

This certificate relates only to the batch number stated above.
Independent laboratory documentation is supplied separately where applicable.
This product is for research purposes only. Not for human consumption.
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