

## CERTIFICATE OF ANALYSIS

## Tirzepatide

GLP-1 / GIP Dual Agonist · 40mg Lyophilised

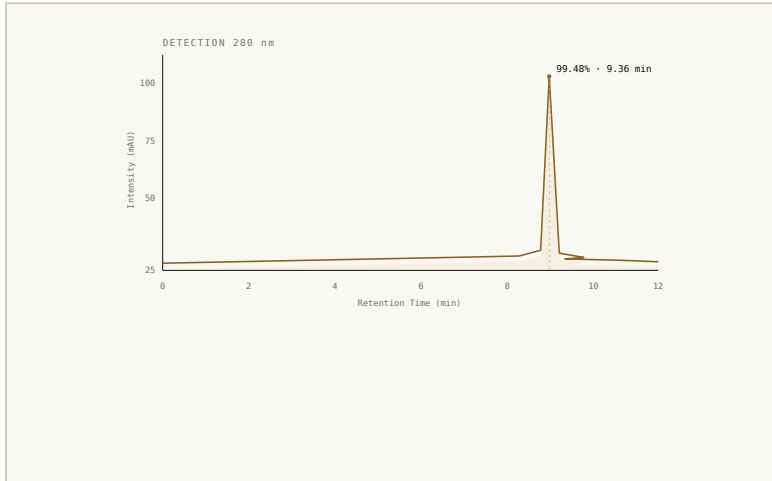
## 01 PRODUCT INFORMATION

PRODUCT	Tirzepatide	CAS NUMBER	2023788-19-2
CHEMICAL NAME	Tirzepatide (LY-3298176)	MOL. FORMULA	C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub>
QUANTITY	40mg per vial	MOL. WEIGHT	4813.45 g/mol
BATCH / LOT	TZP250506	APPEARANCE	White lyophilised powder
MFG. DATE	06 May 2026	RETEST DATE	06 May 2028
STORAGE	2–8°C, dark, dry	INTENDED USE	Research Use Only

## 02 ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White to off-white lyophilised powder	✓ COMPLIES	Visual
Identification	Positive	✓ COMPLIES	HPLC / MS
Peptide Sequence	Correct sequence confirmed	✓ COMPLIES	Mass Spec.
Purity	≥ 99.0%	99.48%	HPLC
Peptide Content	95.0% – 105.0%	101.5%	HPLC
Acetate Content	≤ 12.0%	7.1%	Ion Chrom.
Water Content	≤ 8.0%	2.4%	Karl Fischer
Bacterial Endotoxins	≤ 10 EU/mg	< 2 EU/mg	LAL Test
Residual Solvents	Meets USP / EP requirements	✓ COMPLIES	GC
Heavy Metals	≤ 10 ppm	< 1 ppm	ICP-MS
Sterility	Sterile	✓ COMPLIES	USP <71>
pH (Reconstituted)	4.0 – 7.0	5.8	pH Meter

## 03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	9.36 min
PEAK AREA	99.48%
TOTAL IMPURITIES	0.52%
DETECTION	UV 280 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

EXPECTED MOLECULAR MASS	4813.45 Da
OBSERVED MOLECULAR MASS	4813.52 Da
MASS DEVIATION	+ 0.07 Da (within tolerance)
RESULT	✓ IDENTITY CONFIRMED

## 05 QUALITY ASSURANCE &amp; AUTHORISATION

*"This batch has been manufactured and tested in accordance with internal quality control procedures and complies with all specifications listed in this Certificate of Analysis."*

RELEASED

QC APPROVED

APPROVED BY

Daniel Hughes

QUALITY ASSURANCE MANAGER

SIGNATURE

D. Hughes

AUTHORISED DIGITALLY

DATE OF ISSUE

06 May 2026

ISSUED DIGITALLY

## 06 LABORATORY INFORMATION

ANALYTICAL TESTING BY

Hongbai Technology Co.

Independent third-party laboratory · HPLC · MS · ICP-MS · LAL

ISO/IEC

17025

ACCREDITED

ISSUED BY

Nexapep Ltd

DOCUMENT TYPE

Independent Third-Party CoA

EMAIL

hello@nexapep.co.uk

TEST REPORT NO.

HB-TZP250506

WEBSITE

nexapep.co.uk

SAMPLE REFERENCE

TZP250506



DOCUMENT VERIFICATION REFERENCE

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