

## CERTIFICATE OF ANALYSIS

## Retatrutide

Triple Agonist (GLP-1 / GIP / Glucagon) · 40mg Lyophilised

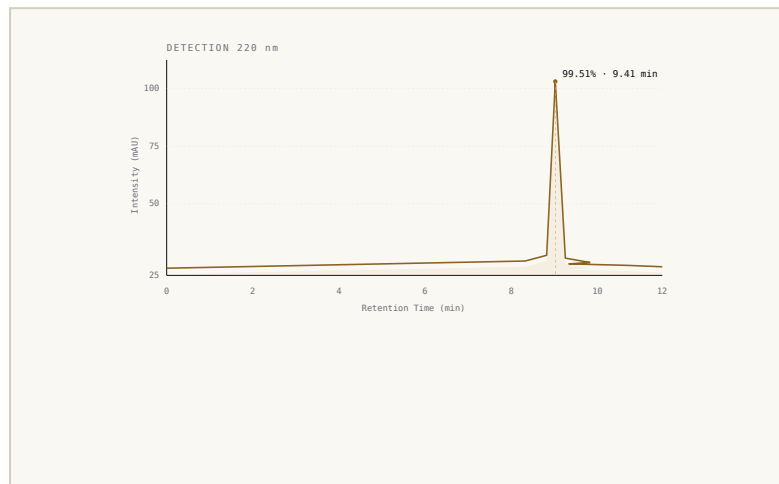
## 01 PRODUCT INFORMATION

PRODUCT	Retatrutide	CAS NUMBER	2381089-83-2
CHEMICAL NAME	Retatrutide (LY-3437943)	MOL. FORMULA	C <sub>221</sub> H <sub>343</sub> F <sub>2</sub> N <sub>53</sub> O <sub>67</sub>
QUANTITY	40mg per vial	MOL. WEIGHT	4731.43 g/mol
BATCH / LOT	RET40250430	APPEARANCE	White lyophilised powder
MFG. DATE	30 April 2026	RETEST DATE	30 April 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%	99.51%	HPLC
Peptide Content	95.0% – 105.0%	101.8%	HPLC
Acetate Content	≤ 12.0%	6.9%	Ion Chrom.
Water Content	≤ 8.0%	2.7%	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	9.41 min
PEAK AREA	99.51%
TOTAL IMPURITIES	0.49%
DETECTION	UV 220 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

EXPECTED MOLECULAR MASS	4731.43 Da
OBSERVED MOLECULAR MASS	4731.49 Da
MASS DEVIATION	+ 0.06 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

Sarah Bennett

QUALITY ASSURANCE MANAGER

SIGNATURE

S. Bennett

AUTHORISED DIGITALLY

DATE OF ISSUE

30 April 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

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TEST REPORT NO.

HB-RET40250430

WEBSITE

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SAMPLE REFERENCE

RET40250430



DOCUMENT VERIFICATION REFERENCE

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