

## CERTIFICATE OF ANALYSIS

## Ipamorelin

Pentapeptide GH Secretagogue · 10mg Lyophilised

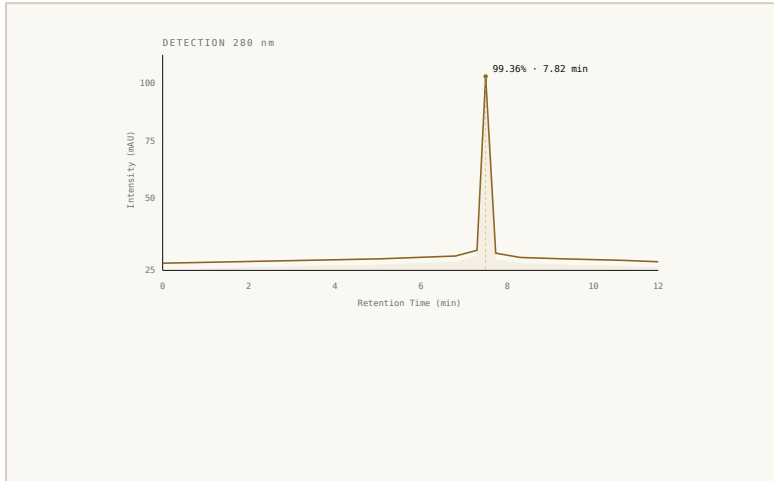
## 01 PRODUCT INFORMATION

PRODUCT	Ipamorelin	CAS NUMBER	170851-70-4
CHEMICAL NAME	Aib-His-D-2-Nal-D-Phe-Lys-NH <sub>2</sub>	MOL. FORMULA	C <sub>38</sub> H <sub>49</sub> N <sub>9</sub> O <sub>5</sub>
QUANTITY	10mg per vial	MOL. WEIGHT	711.86 g/mol
BATCH / LOT	IPA250421	APPEARANCE	White lyophilised powder
MFG. DATE	21 April 2026	RETEST DATE	21 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%	99.36%	HPLC
Peptide Content	95.0% – 105.0%	100.8%	HPLC
Acetate Content	≤ 12.0%	6.7%	Ion Chrom.
Water Content	≤ 8.0%	2.8%	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	5.7	pH Meter

## 03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	7.82 min
PEAK AREA	99.36%
TOTAL IMPURITIES	0.64%
DETECTION	UV 280 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

EXPECTED MOLECULAR MASS	711.86 Da
OBSERVED MOLECULAR MASS	711.91 Da
MASS DEVIATION	+ 0.05 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

Michael Carter

QUALITY ASSURANCE MANAGER

SIGNATURE

*M. Carter*

AUTHORISED DIGITALLY

DATE OF ISSUE

21 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-IPA250421

WEBSITE

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SAMPLE REFERENCE

IPA250421



DOCUMENT VERIFICATION REFERENCE

NX-IPA250421-7953-40EE

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