

## CERTIFICATE OF ANALYSIS

## KLOW

Research Peptide Blend · 80mg Lyophilised

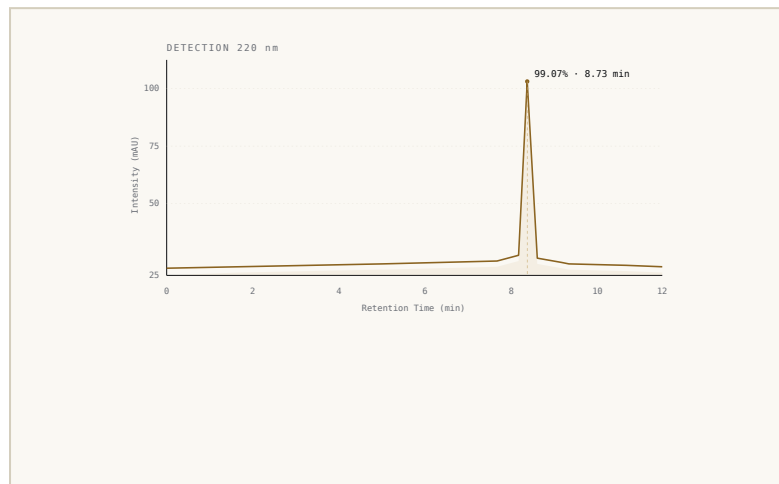
## 01 PRODUCT INFORMATION

PRODUCT	KLOW	CAS NUMBER	Blend (multiple)
CHEMICAL NAME	KPV · Larazotide · Orexin-A · Wound-blend (composite)	MOL. FORMULA	Mixed peptide blend
QUANTITY	80mg per vial	MOL. WEIGHT	Composite (multi- component)
BATCH / LOT	KLW250421	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
Structural Confirmation	Matches reference standard	✓ COMPLIES	Mass Spec.
Purity	≥ 99.0%	99.07%	HPLC
Assay (Active Content)	≥ 98.0%	99.4%	HPLC
Water Content	≤ 8.0%	3.4%	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	5.6	pH Meter

## 03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	8.73 min
PEAK AREA	99.07%
TOTAL IMPURITIES	0.93%
DETECTION	UV 220 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

ANALYSIS MODE	LC-MS, positive ion mode
COMPONENT IDENTIFICATION	All blend components detected at expected masses
REFERENCE STANDARD	Matches in-house composite reference
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-KLW250421

WEBSITE

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SAMPLE REFERENCE

KLW250421



DOCUMENT VERIFICATION REFERENCE

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