VERIFIED VIALS

VV-COA-KPV-001
Document reference

19 October 2026
Date issued

# Certificate of Analysis

**KPV · Research Grade Peptide** — Purity & Identity (HPLC + LC-MS)

Issued by Verified Vials on the basis of testing carried out by an independent third-party laboratory, PeptideVerify.

## 01 PRODUCT

PRODUCT
**KPV · Research Grade Peptide**

INTENDED USE
Laboratory research use only

SUPPLIED BY
Verified Vials, Belfast, Northern Ireland

SAMPLE NAME ON LABORATORY RECORD
KPV

BATCH NUMBERS & EXPIRY
10 mg KPV10-260626-A · Expiry 26 June 2029

## 02 RESULT

PURITY — HPLC (UV)

**98.40 %**

3 peaks detected · minor peaks included in the purity figure

✓ IDENTITY CONFIRMED

LC-MS identity check: the detected ion pattern matches the laboratory's reference for KPV.

Purity reflects UV-detectable compounds only; non-UV excipients are not measured by this method.

## 03 TEST DETAILS

LABORATORY
PeptideVerify (independent of the supplier)

LABORATORY CERTIFICATE
PV-C9D61B-KAZS-36A

LABORATORY CERTIFICATE ISSUED
17 June 2026

TEST TYPE
HPLC + LC-MS

METHOD
HPLC + ESI-MS

ANALYSIS DATE
15 June 2026

INSTRUMENT
Shimadzu LCMS-8040

SAMPLE AS RECEIVED
White lyophilised powder

CONDITION ON RECEIPT
As Expected

## 04 IDENTITY & SYSTEM SUITABILITY

| PARAMETER | OBSERVED | ACCEPTANCE / REFERENCE | OUTCOME |
|---|---|---|---|
| MS identity match (ESI-MS) | Ion pattern matches reference | Lab reference: KPV | CONFIRMED |
| Detected molecular weight | 342.3 Da | Expected MW: 342.4 Da | — |
| Main peak retention time | 3.403 min | Total peaks detected: 3 | — |
| Resolution (Rs) | 0.64 | ≥ 1.5 | OUTSIDE RANGE |

Tailing factor (T) was reported by the laboratory as not applicable for this sample (limit ≤ 3.5). Resolution (Rs) (0.64) was reported by the laboratory as outside its acceptance limit of ≥ 1.5 and is shown here exactly as reported. The laboratory notes that minor peaks are common in synthetic peptides, typically synthesis-related by-products such as incomplete sequences or minor structural variants, and are included in the purity calculation. Sample received as a white lyophilised powder, condition as expected. Purity is the HPLC purity reported by the laboratory and reflects UV-detectable compounds only; non-UV excipients (mannitol, sugars, salts) are not measured.

## 05 VERIFICATION & AUTHORISATION

**peptideverify.co.uk/verify/PV-C9D61B-KAZS-36A**

The analysis was carried out by PeptideVerify. Their certificate PV-C9D61B-KAZS-36A is the source record for every figure on this page and can be checked at the address above or by scanning the code.

This document is issued by Verified Vials and summarises that laboratory record. It is not a PeptideVerify document.

AUTHORISED BY
**Quality Control**
Verified Vials
19 October 2026

SIGNATURE

**For laboratory research use only. Not for human or veterinary use.** This certificate relates to the sample as received by the laboratory and summarises the laboratory's reported findings for that sample. It is not a guarantee of other units or batches, is not a safety assessment, and is not medical advice. Where this summary and the laboratory record differ, the laboratory record prevails.