



DOC PV-COA
REPORT PV-7F995C-VKGD-C4
ISSUED 06/08/2026

ANALYSED BY AN INDEPENDENT UK LABORATORY PARTNER USING ESTABLISHED HPLC & LC-MS METHODS.

00 ASSESSMENT SAMPLE AS RECEIVED

PURITY – HPLC

98.53%

Peak Purity Index (PPI) of the integrated UV signal. Single integrated peak.
What this means: 98.53% is the reported purity figure for this sample.

IDENTITY - LC-MS

- **Confirmed**

Detected intact mass 5,134.6 Da vs expected 5,135.90 Da; charge states agree and base peak matches.

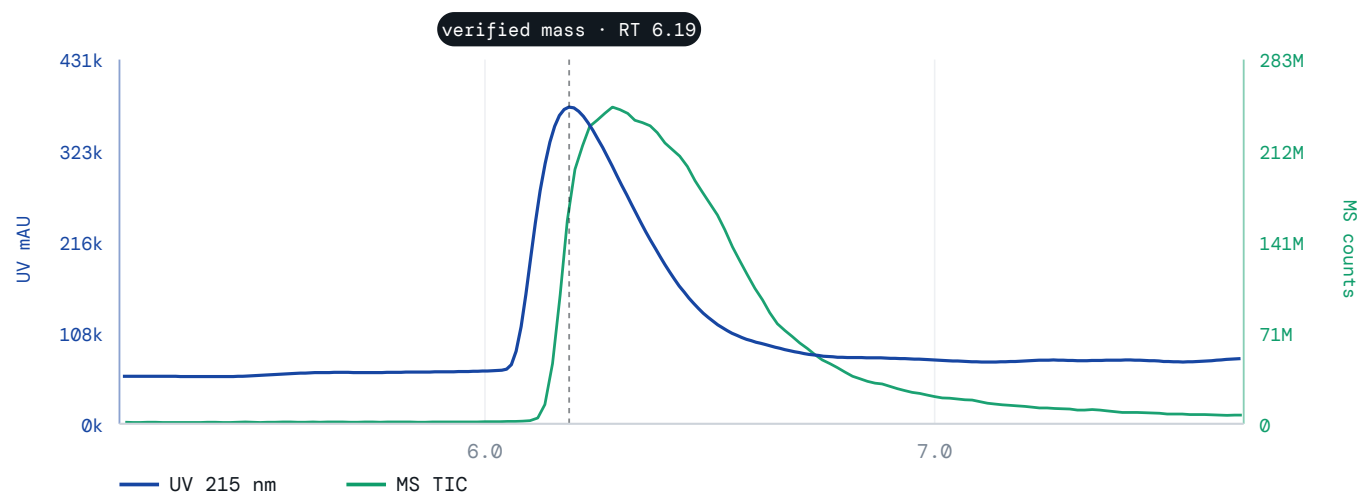
What this means: the detected molecular weight matches the declared peptide within method tolerance.

⊕ SAMPLE DESCRIPTION & LAB NOTES _____ RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	White	As Expected	6.19 min	As Expected

01 HPLC + LC-MS - CO-ELUTION PDA 215 NM · ESI TIC

UV PURITY PEAK (BLUE, LEFT AXIS) AND LC-MS TOTAL-ION RESPONSE (GREEN, RIGHT AXIS) ON ONE RETENTION-TIME AXIS - THE VERIFIED MASS CO-ELUTES WITH THE UV PEAK - WINDOW 5.2-7.7 MIN.



PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N
1	6.187	5,258,396	100.00	98.5	2.50	3,078

PPH % = Peak Purity Index – the reported purity (spectral homogeneity). Area % = this peak's share of total UV area, not a purity claim. Tailing = peak symmetry; Plates N = column efficiency.



02 LC-MS – IDENTITY

ESI · INTACT-MASS DECONVOLUTION



Identity: Confirmed. 5 independent charge states ([M+4H]4+, [M+5H]5+, [M+6H]6+, [M+7H]7+, [M+8H]8+) deconvolute to the same intact mass (≈ 5,134.6 Da), matching Tesamorelin within the method's unit-resolution tolerance. Base peak corresponds to the expected dominant charge state.

03 SYSTEM SUITABILITY

PARAMETER	RESULT	LIMIT	OUTCOME
Tailing factor (T) – main peak	2.50	≤ 3.5	PASS
Theoretical plates (N)	3,078	≥ 600	PASS
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD



● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-7F995C-VKGD-C4

INTEGRITY SHA-256 · 11dcc2b5...5c0cca5a

SOURCE DATA · 20260803 batch_PV-7F995C-VKGD-C4_072.lcd

Scan or visit the URL to confirm this certificate against PeptideVerify's source record.

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 06/08/2026

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