



	DOC	PV-COA
REPORT	PV-3FAA7D-AEOF-0E	
ISSUED	26/05/2026	

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

CERTIFICATE ID	PREPARED FOR	SAMPLE	EXPECTED MW
PV-3FAA7D-AE0F-0E	BioSupplyUK	MOTS-c	2,174.59 Da
SERVICE TIER	BATCH / LOT	ANALYSIS DATE	INSTRUMENT
Combined · HPLC + LC-MS	Not provided	22/05/2026 16:24	Shimadzu LCMS-8040 · PDA
METHOD	DETECTION	MS IONIZATION	
HPLC + ESI-MS	UV 215 nm (±4)	ESI+	

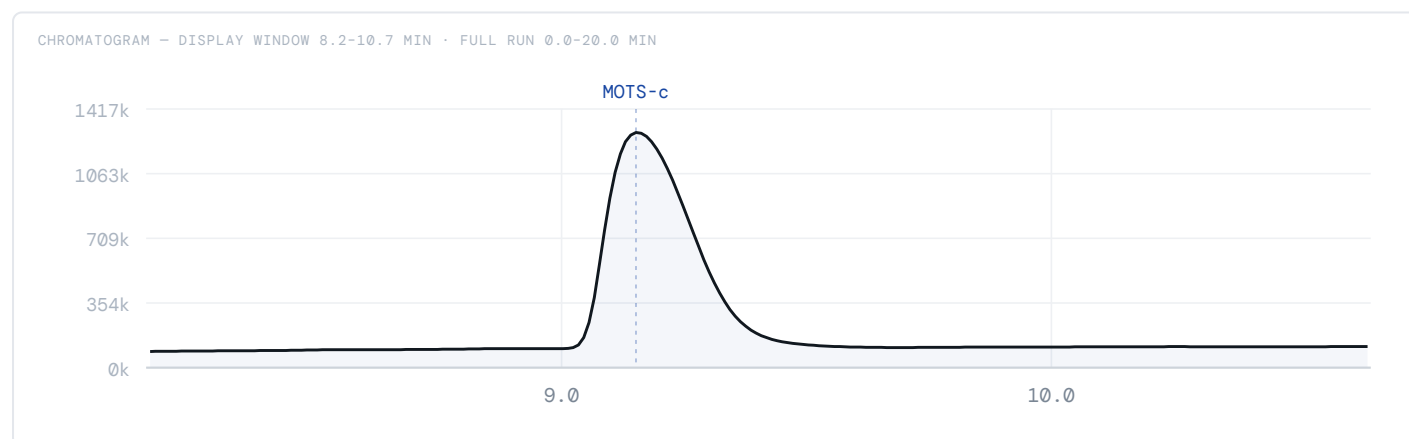
SAMPLE AS RECEIVED

PURITY — HPLC	99.5%	Peak Purity Index (PPI) of the integrated UV signal. Single integrated peak. <i>What this means: 99.5% is the reported purity figure for this sample.</i>
IDENTITY — LC-MS	Confirmed	Detected intact mass 2,174.0 Da vs expected 2,174.59 Da; charge states agree and base peak matches. <i>What this means: the detected molecular weight matches the declared peptide within method tolerance.</i>

RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	White	As Expected	9.15 min	As Expected

HPLC · PDA · 215 NM



PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N
1	9.152	14,110,923	100.00	99.5	1.74	13,124

PP1 % = 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. 3 independent charge states ([M+2H]2+, [M+3H]3+, [M+4H]4+) deconvolute to the same intact mass ($\approx$ 2,174.0 Da), matching MOTS-c 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	1.74	$\leq$ 3.5	PASS
Theoretical plates (N)	13,124	$\geq$ 600	PASS
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD

● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-3FAA7D-AEOF-0E

INTEGRITY SHA-256 · aaa77ae0...8739965a

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

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 26/05/2026

TERMS This certificate reports analysis of the sample as received. It is not a guarantee of other units or batches, and is not an endorsement of any product, seller or vendor. For research use only – not for human consumption, and not a safety assessment or medical advice. Confirm authenticity at peptideverify.co.uk/verify.