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

CERTIFICATE ID	PREPARED FOR	SAMPLE	EXPECTED MW
PV-C9D61B-KAZS-121	Verified Vials	Melanotan II	1,024.18 Da
SERVICE TIER	**BATCH / LOT**	**ANALYSIS DATE**	**INSTRUMENT**
Combined · HPLC + LC-MS	Not provided	15/06/2026 15:26	Shimadzu LCMS-8040 · PDA
METHOD	**DETECTION**	**MS IONIZATION**	
HPLC + ESI-MS	UV 215 nm (±4)	ESI+	

00 ASSESSMENT

SAMPLE AS RECEIVED

PURITY — HPLC	**99.0%**	Peak Purity Index (PPI) of the integrated UV signal. Single integrated peak. *What this means: 99.0% is the reported purity figure for this sample.*
IDENTITY — LC-MS	● **Confirmed**	Detected intact mass 1,023.8 Da vs expected 1,024.18 Da; base peak matches. *What this means: the detected molecular weight matches the declared peptide within method tolerance.*

⊕ SAMPLE DESCRIPTION & LAB NOTES

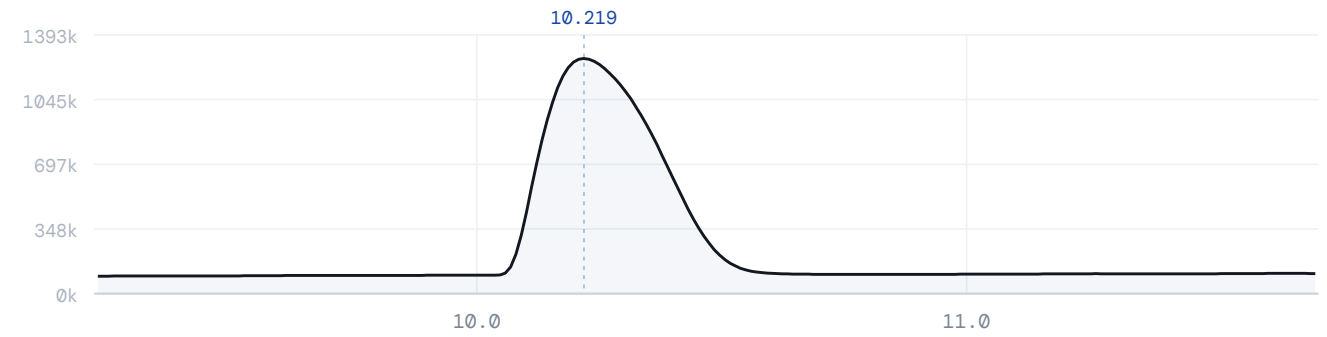
RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	OBSERVED RT	MS / IDENTITY MATCH
Lyophilized powder	White	As Expected	10.22 min	As Expected

01 HPLC — CHROMATOGRAM

HPLC · PDA · 215 NM

CHROMATOGRAM — DISPLAY WINDOW 9.2-11.7 MIN · FULL RUN 0.0-20.0 MIN



PEAK	RT / MIN	AREA	AREA %	PPI %	TAILING	PLATES N
1	10.219	18,618,007	99.00	99.0	1.52	9,118

PPI % = 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

ESI-MS SPECTRUM — DETECTED IONS · CHARGE-MATCHED HIGHLIGHTED



CHARGE STATE	EXP. M/Z	OBS. M/Z	CALC. MW	INTENSITY	MATCH
[M+2H]2+	513.10	512.90	1023.8	18,884,309	MATCH

Identity: Confirmed. The detected mass (≈ 1,023.8 Da), matching Melanotan II 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	1.52	≤ 3.5	PASS
Theoretical plates (N)	9,118	≥ 600	PASS
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD

● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-C9D61B-KAZS-121

INTEGRITY SHA-256 · 34d5fc7a…165afc9b

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

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 17/06/2026

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.