



DOC PV-COA
REPORT PV-57CB0E-PYRB-07
ISSUED 10/07/2026

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

00 ASSESSMENT _____ SAMPLE AS RECEIVED

PURITY – HPLC

99.9%

Main-peak Area % of the integrated UV signal. 2 peaks resolved.

What this means: 99.9% is the reported purity figure for this sample.

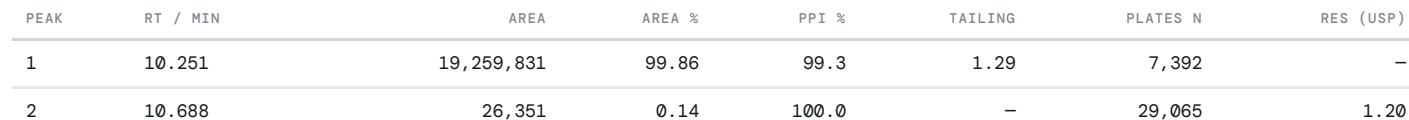
IDENTITY - LC-MS

- **Confirmed**

Detected intact mass 1,023.7 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

01 HPLC - CHROMATOGRAM HPLC · PDA · 215 NM

Area % = the main peak's share of total UV area – the reported purity figure for a multi-peak sample. **PPI %** = Peak Purity Index (spectral homogeneity), per peak. Tailing = peak symmetry; Plates N = column efficiency; Res = USP resolution from the adjacent peak (≥ 1.5 = baseline-separated).



02 LC-MS – IDENTITY

ESI · INTACT-MASS DECONVOLUTION



Identity: Confirmed. The detected mass ($\approx 1,023.7$ 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	1.29	≤ 3.5	PASS
Theoretical plates (N)	7,392	≥ 600	PASS
Resolution (Rs, USP) – min	1.20	≥ 1.5	CHECK
Detector / wavelength	PDA	215 nm	PASS

04 VERIFICATION

TAMPER-EVIDENT RECORD



● INDEPENDENTLY VERIFIABLE

peptideverify.co.uk/verify/PV-57CB0E-PYRB-07

INTEGRITY SHA-256 · 9ed31eb5...3e8516ac

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

AUTHORISED BY

C Bray

CHRISTOPHER BRAY · PEPTIDEVERIFY · 10/07/2026

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