CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2075
Issued: 2026-10-15

PRODUCT IDENTIFICATION

PRODUCT	SKU / INTERNAL CODE
BPC-157 + TB-500 5 mg + 5 mg	CRF-2026-2075
PRESENTATION	BATCH NUMBER
Lyophilised powder, 10 mg vial	LOT-2610-2075

CLIENT	SAMPLE RECEIVED	ANALYSIS DATE
veltispeptides.mx	2026-10-10	2026-10-13
PRODUCTION DATE	ISSUED	EXPIRY / RETEST
2026-10-08	2026-10-15	2028-10-15

MOLECULAR FORMULA

Blend (C62H98N16O22 + C212H350N56O78S)

MOLECULAR WEIGHT	CAS NUMBER
1419.5 / 4964.4	137525-51-0 / 77591-33-4

ANALYTICAL METHOD

PANEL

SILVER - HPLC-UV + LC-MS/MS + ICP-MS (Pb/As/Cd/Hg) + LAL endotoxin

METHOD

RP-HPLC-UV 214 nm · LC-MS/MS ESI Q-TOF · ICP-MS · LAL kinetic chromogenic (USP <85>)

INSTRUMENT

Waters Xevo G3 · Agilent 7900 ICP-MS · Charles River Endosafe nexgen-PTS

Column: C4 2.1×100mm | Temperature: 60°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 0.3 mL/min | Retention time: 9.1 / 6.4 min

1. PURITY & ASSAY - RP-HPLC-UV (214 nm)

Test	Specification	Result	Status
HPLC Purity	≥98.0%	99.3%	PASS
Quantity (total)	95.0-105.0%	9.97 mg (99.7%)	PASS
Ratio Check (1:1)	±5%	5.01 / 4.96 mg	PASS

2. LC-MS/MS STRUCTURAL CONFIRMATION

Test	Reported data	Status
BPC-157 - Theoretical [M+H]+	1420.5 | Observed: 1420.8 | Δ +0.30 Da	PASS
TB-500 - Theoretical [M+H]+	4964.4 | Observed: 4964.6 | Δ +0.20 Da	PASS
Sequence Coverage	BPC-157 100% · TB-500 98%	PASS
Key fragments	BPC b9 866.4 / y10 942.5 · TB b12 1437.7 / y20 2331.2	PASS
Modifications	TB-500 N-terminal acetyl confirmed (+42.01 Da); BPC-157 termini free	PASS

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3. HEAVY METALS - ICP-MS (USP <232>/<233>)

Test	Specification	Result	Status
Pb		<0.05 µg/g	PASS
As		<0.10 µg/g	PASS
Cd		<0.02 µg/g	PASS
Hg		<0.01 µg/g	PASS

4. ENDOTOXIN - LAL kinetic chromogenic (USP <85>)

Test	Reported data	Status
Result	<1.0 EU/mg limit | 0.22 EU/mg | PPC recovery 88%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

Dual-component repair blend. Both masses baseline-resolved; no cross-contamination. Ratio confirmed by UV and MS peak area agreement within 2.5%.

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