CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0167
Issued: 2026-09-13

PRODUCT IDENTIFICATION

PRODUCT Tirzepatide 10mg	SKU / INTERNAL CODE CRF-2026-0167	PRESENTATION Lyophilised powder, 10mg vial
BATCH NUMBER CRF-2026-0167	SAMPLE RECEIVED 2026-09-06	PRODUCTION DATE 2026-09-01
ANALYSIS DATE 2026-09-11	EXPIRY / RETEST DATE 2028-09-11	MOLECULAR FORMULA C225H348N48O68
MOLECULAR WEIGHT (G/MOL) 4813.53	CAS 2023788-19-2	

Research Use Only (RUO). Not for human or veterinary use, consumption, or clinical diagnosis.

ANALYTICAL METHOD — HPLC

INSTRUMENT Waters ACQUITY	COLUMN C4 2.1×100mm	COLUMN TEMPERATURE 60°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 0.3 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 5 µL	SAMPLE CONCENTRATION 0.5 mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) 13.6 min	

Recorded methods: HPLC-UV (214 nm) · LC-MS/MS · LAL · ICP-MS

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.0%	PASS
Identity (LC-MS)	4813.5 ±2%	Obs: 4813.5 [M+H]+	PASS

Verify document: VEL-831e099540f559ce · crafalab.com/verify
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Applies only to batch CRF-2026-0167. Certificate CRF-2026-0167.
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Test	Acceptance Criteria	Result	Verdict
Quantity found	95.0–105.0%	9.86 mg (98.6%)	PASS
Endotoxin	<1.0 EU/mg	<0.25 EU/mg	PASS
Heavy metals	<10 ppm	All <LOQ	PASS

Detected Impurities

No impurity data recorded.

FINAL BATCH RESULT

PASS — Conforms to specifications

No chromatogram data recorded.

Analyst notes: Category: Metabolic (GLP-1). Sample conforms to label claim and Gold panel acceptance criteria.

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