

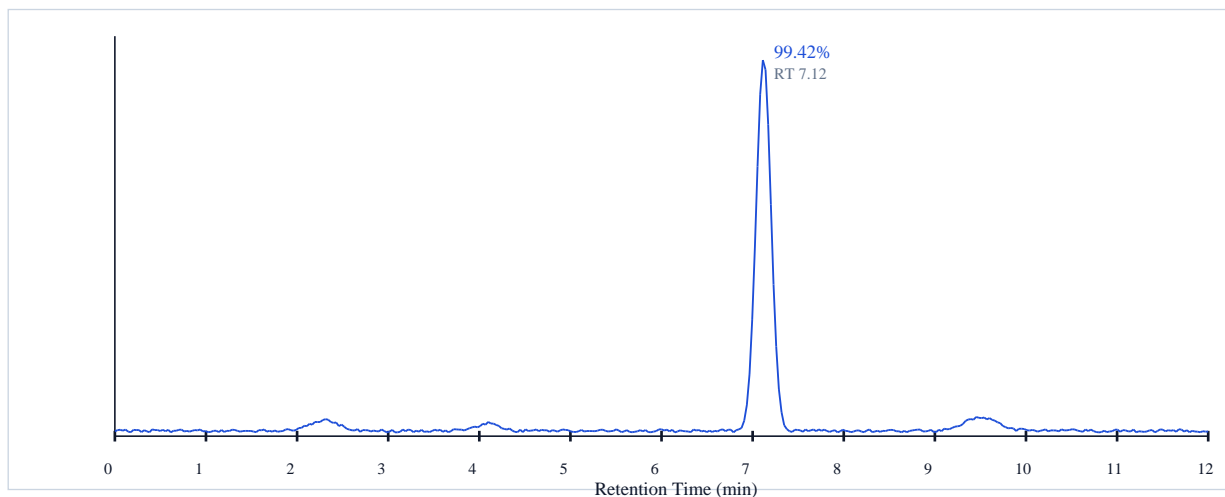
Product Name	Tirzepatide	Catalog No.	TR10
Lot Number	TRZ-2406-1142	Manufacture Date	28 May 2026
Appearance	White lyophilized powder	Retest Date	28 May 2028
Storage	-20 °C, protected from light	Net Quantity	Per vial label
Molecular Weight	4813.45 g/mol	CAS / Identifier	Research grade

Sequence / Structure Y-Aib-EGTFTSDYSIyLDKIAQKAFVQWLIAGGPSSGAPPPS-NH2 (modified)

Specifications & Results

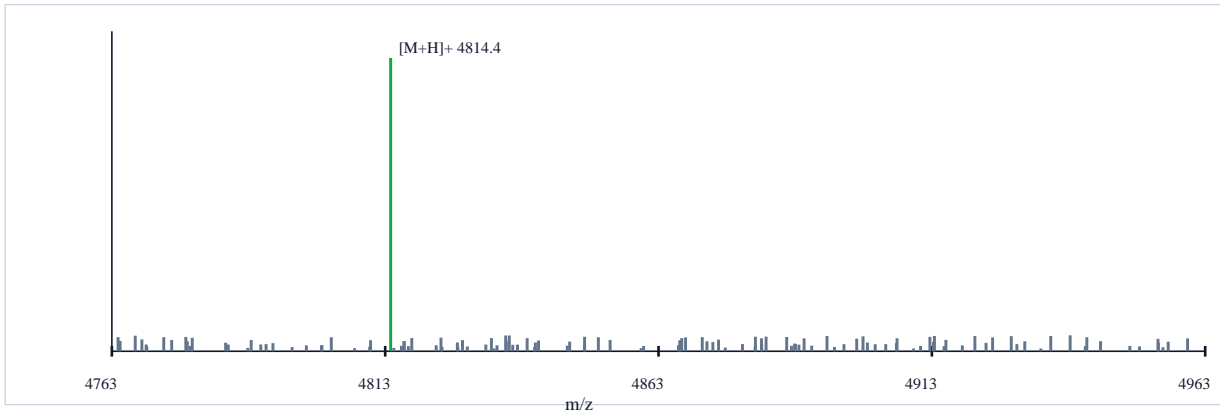
Test	Method	Specification	Result	Status
Appearance	Visual	White to off-white powder	White powder	PASS
Identity	RP-HPLC / UV 220 nm	Conforms to reference	Conforms	PASS
Identity	LC-MS (ESI+)	[M+H] ⁺ = 4814.4 ± 0.5	4814.45	PASS
Purity (HPLC)	RP-HPLC, AUC %	≥ 98.00 %	99.42 %	PASS
Water content	Karl Fischer	≤ 6.0 %	3.42 %	PASS
Acetate content	Ion chromatography	≤ 15.0 %	6.42 %	PASS
Residual solvents (TFA)	GC headspace	≤ 1.0 %	< 0.5 %	PASS
Bacterial endotoxin	LAL kinetic	≤ 10 EU/mg	< 1 EU/mg	PASS
Bioburden	USP <61>	≤ 100 CFU/g	< 10 CFU/g	PASS

RP-HPLC Chromatogram (UV, 220 nm)



Column: C18, 4.6 × 250 mm, 5 μm · Mobile phase A: 0.1% TFA in H₂O · B: 0.1% TFA in MeCN · Gradient: 5→65% B over 12 min · Flow: 1.0 mL/min · Inj: 20 μL · Detection: 220 nm · Main peak 99.42% AUC @ RT 7.12 min

LC-MS Confirmation (ESI+)



Instrument: Agilent 6125B single quad · Mode: ESI+ · Scan: 200–5013 m/z · **Observed [M+H]⁺ = 4814.45 (theoretical 4814.45)**

Conclusion

Lot **TRZ-2406-1142** of **Tirzepatide** meets or exceeds all release specifications listed above and is approved for distribution as a reference standard for laboratory research use only.

Dr. M. Halverson, Ph.D.

QC Lead, Analytical Chemistry

S. Reyes, M.Sc.

Quality Assurance Manager

Approved

28 May 2026

FOR LABORATORY RESEARCH USE ONLY. Not for human or veterinary use. Not a drug, food, cosmetic, or dietary supplement. Not for diagnostic or therapeutic purposes. Handle in accordance with all applicable laws and laboratory safety standards. This certificate is valid only for the lot number stated above. © Forza Aminos Global · analytical@forzaaminos.com