

Certificate of Analysis (COA)

Product: Tirzepatide

Brand: TrimFast

Batch No.: TRZ-2025-001

Manufacture Date: 2025-03-15

Expiry Date: 2027-03-15

Test Date: 2025-03-20

Sampled By: Quality Control Department

Tested By: FRANZLAB GmbH, Germany

Lab Accreditation: ISO/IEC 17025:2017

Product Description:

Name: Tirzepatide

Form: Lyophilized (freeze-dried) white powder

Strength: 5mg per vial

Appearance: White to off-white sterile powder, free from visible contaminants

Status: This product is supplied as a raw, unmixed powder. It has not been reconstituted or diluted.

Solubility (for information only): Soluble in sterile water for injection

Analytical Testing Results:

Test	Specification	Result	Method
Identification (HPLC/MS)	Positive for Tirzepatide	Pass	HPLC, Mass Spectrometry
Purity by HPLC	$\geq 98.0\%$	99.76%	HPLC
Related Substances	$\leq 1.0\%$ total impurities	0.21%	HPLC
Water Content (Karl Fischer)	$\leq 5.0\%$	1.2%	USP <921>
Endotoxins (LAL)	≤ 0.25 EU/mg	< 0.05 EU/mg	USP <85>
Bacterial Endotoxin Test	Must comply	Complies	LAL Test
Sterility	No growth	No growth	USP <71>
pH (if reconstituted)	6.5 - 7.5	7.1 (N/A for raw powder)	USP <791>
Residual Solvents	Below ICH Q3C limits	Pass	GC-MS
Heavy Metals	≤ 10 ppm	< 1 ppm	ICP-MS

Packaging & Storage:

Container: Sterile 5ml Type I glass vial with rubber stopper and flip-off seal

Storage Conditions: 2°C - 8°C. Protect from light. Do not freeze.

Handling Note: Product must be reconstituted with sterile water prior to use under aseptic conditions.

Conclusion:

Batch TRZ-2025-001 of Tirzepatide 5mg complies with all tested specifications. The product is certified as pharmaceutically pure and sterile. It is supplied as a raw, lyophilized white powder only - not mixed or pre-diluted.