



Client Branchroot Amino

Analyzed 08/20/2026

This Certificate of Analysis certifies that the sample listed herein was tested by SteriGenix using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	Tirzepatide	Form	Lyophilized
Batch	BR-002-TZ20	Labeled Qty	20MG
Mol. Formula	C225H348N48O68	CAS Number	2023788-19-2
Cap Color	Blue	Crimp Color	Silver
Appearance	White Powder	Mol. Weight	4813.45 g/mol

TEST RESULTS

	REFERENCE STANDARD	RESULT	
Batch Avg Purity	(>98%)	99.70	✓
Batch Avg Net Content	20MG ± 10%	21.49	✓
Identity Confirmation (LC-MS)	Tirzepatide	Tirzepatide	✓
Microbial Sterility Screen	Bacterial Growth (Accelerator)	No Growth	✓
Mol Weight	4813.45 g/mol	Matches	✓
Endotoxin	(<0.5 EU/ml)	PASS	✓
Fentanyl	Not Present	Not Present	✓

HEAVY METAL SCREENING

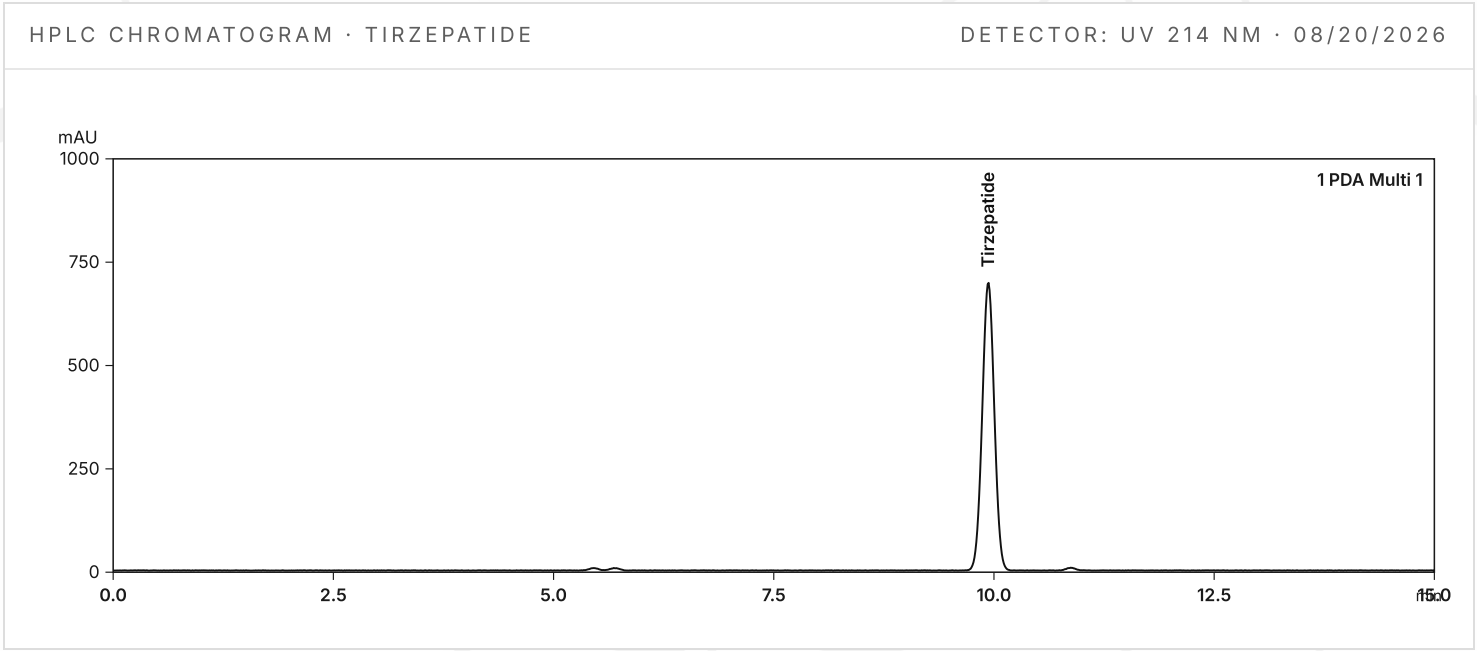
Parameter	Result
Lead (Pb)	Negative
Cadmium (Cd)	Negative

Arsenic (As)	Negative
Mercury (Hg)	Negative

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.70	21.49
Vial 2	99.39	21.70
Vial 3	99.58	20.78
Average	99.55	21.32

HPLC CHROMATOGRAM



SAMPLE PHOTOS



AS RECEIVED

RECONSTITUTED (BACT. WATER) — CLARITY
CHECK

Dr. R. Caldwell

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