



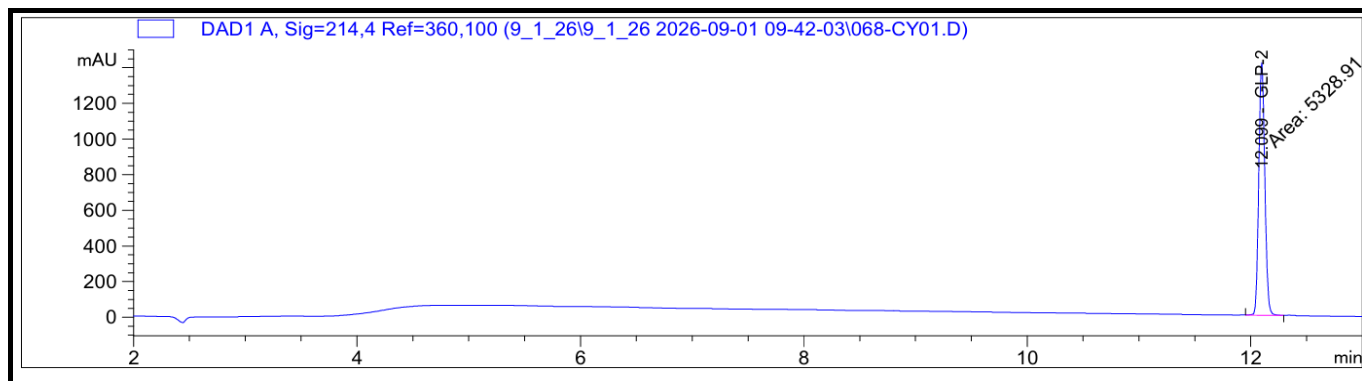
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

2G-TZ 60 mg

Report To:
Orbitrex Peptides

Compound: 2G-TZ
Amount: 60 mg
Laboratory ID: V260831-62 001
Date Reported: 9/17/2026
Lot Number: 2G60106



Chromatogram for vial A shown above.

Analysis	Method	Result (per Vial)			
Identity	HPLC-UV/VIS	Pass - Matches Ref. Standard			
Chromatographic Purity	HPLC-UV/VIS	>99.80%	>99.80%	>99.80%	>99.80%
Quantity	HPLC-UV/VIS	67.60 mg	66.16 mg	67.55 mg	72.70 mg
Fentanyl Screening	HPLC-UV/VIS	Pass - Not Detected			



Report By: Dustin Newman, Laboratory Director on 9/17/2026

Approved By: Tori Johnson, Operations Manager on 9/17/2026

Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.



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Analyte	Method	LOQ (ppm)	Result
Arsenic (As)	ICP-MS	0.01	ND
Cadmium (Cd)	ICP-MS	0.01	ND
Lead (Pb)	ICP-MS	0.02	ND
Mercury (Hg)	ICP-MS	0.005	ND

Run ID: 260908.2

Analysis	Method	Result
Endotoxins	LAL	Pass - <5.00 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)

Analysis	Method	Result
Sterility	USP <71>	Pass - No Growth

Run ID: 260901

Report By: Dustin Newman, Laboratory Director on 9/17/2026

Approved By: Tori Johnson, Operations Manager on 9/17/2026

ND: Non-Detect

LOD: Limit of Quantification



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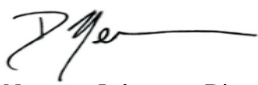
Residual Solvents Analysis			
Analyte	Method	LOQ (ppm)	Result (ppm)
Acetone	GC-MS	3.7	ND
Benzene	GC-MS	0.02	ND
Butanes	GC-MS	3.7	ND
Chloroform	GC-MS	0.02	ND
Cyclohexane	GC-MS	2.9	ND
Dichloromethane	GC-MS	0.45	ND
Ethanol	GC-MS	3.7	ND
Ethyl Acetate	GC-MS	3.7	ND
Heptane	GC-MS	3.7	ND
Hexanes	GC-MS	0.21	ND
Isopropanol	GC-MS	3.7	ND
Methanol	GC-MS	2.2	ND
Pentanes	GC-MS	3.7	ND
Propane	GC-MS	3.7	ND
Toluene	GC-MS	0.66	ND
Total Xylenes	GC-MS	1.6	ND

Analysis	Method	Result
Solubility Analysis	Fully Soluble in 2 mL Water	Pass
Trifluoroacetic Acid (TFA)	Ion Chromatography	ND - <0.10%

ND: Non-Detect

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