Axiom
ANALYTICS

CERTIFICATE OF ANALYSIS · 8X COMPREHENSIVE PANEL

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

AX-2026-1532-N8MT

TA-3R (Retatrutide) · Lot TA-3R-20260815-10
Issued Oct 6, 2026 PT · v1
Verify: 1E4C-A023-9F44

SCAN TO VERIFY

PASS — ALL SPECIFICATIONS MET

8 of 8 layers complete

L1	L2	L3	L4	L5	L6	L7	L8
Identity	Purity	Net Peptide Content	Sterility	Endotoxin	Heavy Metals	Stability	Fentanyl Screen

Sample & Vial Validation



Vial A: as received & analyzed

MORE VIEWS OF VIAL A



Vial A · left



Vial A · right

Client	**Triton Aminos**	Product	**TA-3R (Retatrutide)**
Lot / Batch	**TA-3R-20260815-10**	Label Claim	**10 mg**
Matrix	**lyophilized powder**	Sample Count	**1**
Vial Size	**3mL**	Cap Color	**Blue**
Crimp Color	**Silver / Aluminum**	Contents Color	**White**
Seal Intact	**Yes**	Condition	**sealed, intact**
Received	**Sep 23, 2026 PT**	Sampling	**client submitted**

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom
ANALYTICS

CERTIFICATE OF ANALYSIS · 8X COMPREHENSIVE PANEL

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

AX-2026-1532-N8MT

TA-3R (Retatrutide) · Lot TA-3R-20260815-10
Issued Oct 6, 2026 PT · v1
Verify: 1E4C-A023-9F44

SCAN TO VERIFY

Test Results

Test	Specification	Result	
Identity research screen	every vial within ±1 Da of 4731.421 Da	4731.541 Da	PASS
Purity research screen	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.74%	PASS
Net Peptide Content research screen	every vial within ±10% of 10 mg	Vial A: 10.55 mg	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS
Endotoxin verified compendial	≤ 0.5 EU/mg (house limit; USP <85> method)	0.222 EU/mg	PASS
Heavy Metals research screen	ICH Q3D(R2) Table A.2.2, parenteral route	All below limits	PASS
Stability research screen	pH within 5.50 - 7.50 and degradation below 5%	pH 5.95, 0.79% degradation at 24 h	PASS
Fentanyl Screen research screen	no fentanyl or analog at or above 1 ng/mg	none detected	PASS

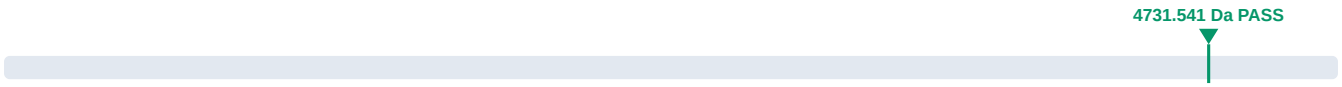
Layer Results

1 **Identity**
LC-MS (ESI+)

1 physical-vial mass observation
each +/- 1 Da (theor. 4731.421)
PASS

Mass consistent with TA-3R (Retatrutide)
Theoretical mass **4731.421 Da** Acceptance **+/- 1 Da**

Vial	Observed mass	Mass error	Status
Vial A	4731.541 Da	+0.12 Da	PASS



Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

AX-2026-1532-N8MT

TA-3R (Retatrutide) · Lot TA-3R-20260815-10
Issued Oct 6, 2026 PT · v1
Verify: 1E4C-A023-9F44

SCAN TO VERIFY

2 Purity

RP-HPLC 214nm (USP 621)

1 physical-vial purity observation

Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

PASS

Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

Vial	Purity	Status
Vial A	99.74%	PASS

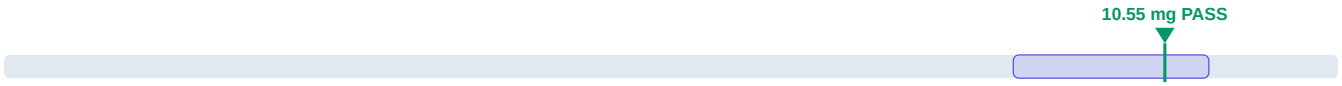


3 Net Peptide Content

Quantitative HPLC vs reference std

10.55 mg
each within +/- 10% of 10 mg

PASS



Vial	Measured	Status
Vial A	10.55 mg	PASS

4 Sterility

Rapid Microbial DNA Screen (qPCR target panel)

Sterility · Rapid PCR: Target DNA not detected
No microbial target DNA detected

PASS

Sterility · Rapid PCR PASS

Result **Target DNA not detected** Specification **Rapid PCR screen**

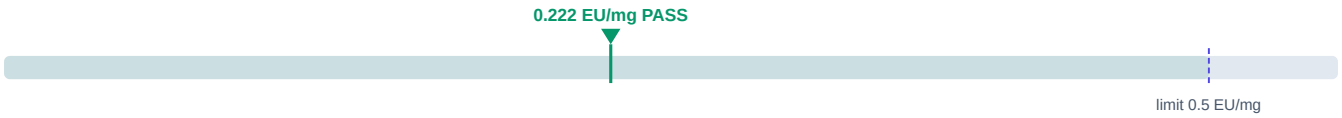
Run controls valid.

5 Endotoxin

Bacterial endotoxin, USP <85> (kinetic chromogenic LAL) (USP <85>)

0.222 EU/mg
limit ≤ 0.5 EU/mg

PASS



Source container **A**

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

AX-2026-1532-N8MT

TA-3R (Retatrutide) · Lot TA-3R-20260815-10
Issued Oct 6, 2026 PT · v1
Verify: 1E4C-A023-9F44

SCAN TO VERIFY

6 Heavy Metals

ICP-MS (USP 232/233)

All below limits — PASS
ICH Q3D(R2) Table A.2.2, parenteral route

Element	Specification, ppm (µg/g)	Result, ppm (µg/g)	Status
Lead (Pb)	<= 0.5	Not Detected	PASS
Arsenic (As)	<= 1.5	Not Detected	PASS
Cadmium (Cd)	<= 0.2	Not Detected	PASS
Mercury (Hg)	<= 0.3	Not Detected	PASS
Cobalt (Co)	<= 0.5	Not Detected	PASS
Vanadium (V)	<= 1	Not Detected	PASS
Nickel (Ni)	<= 2	Not Detected	PASS

Source container: **A**

7 Stability

Forced-degradation stability

pH 5.95 - 0.79% degr. - Clear — PASS
pH 5.50 - 7.50, < 5% at 24h

pH	**5.95 (target 5.50 - 7.50)**	Clarity	**Clear**
Degradation 24h	**0.79%**	Source container	**A**

8 Fentanyl Screen

LC-MS/MS targeted adulterant screen

Not detected — PASS
detection limit 1 ng/mg

Analytes screened	**Fentanyl, Acetylfentanyl, Acrylfentanyl, Butyrylfentanyl, Carfentanil, Cyclopropylfentanyl, Furanylfentanyl, Methoxyacetylfentanyl, ortho-Fluorofentanyl, Valerylfentanyl, 4-ANPP (despropionyl fentanyl)**	Detection limit	**1 ng/mg**
Source container	**A**		

Reporting Scope & Limitations

`[Sterility · Rapid PCR]` DNA-target research screen only. It detects microbial DNA from viable and non-viable organisms alike, and is neither viable-CFU enumeration under USP <61> nor a batch sterility determination under USP <71>.

`[Fentanyl Screen]` Targeted LC-MS/MS adulterant screen, reported as detected or not detected against its stated detection limit. A harm-reduction research screen, not an exhaustive adulterant panel.

Digital Signatures

Analyst	**Alana Reeves**	Analyst Signature	**ed25519:67a752da7321fe48710355d4...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:bfcadc9cf9c86efcf2b18703...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:c20c120d86f1c60e261d5340...**

Physical instrument analysis is performed within Axiom Analytics' laboratory network, allocated at Axiom's discretion based on method, capacity, and order volume. Axiom Analytics performs sample accession, chain of custody, analytical oversight, and data review, and issues and is responsible for this certificate. Where analysis is subcontracted, the method is performed within the partner laboratory's published ISO/IEC 17025 scope of accreditation for that method, not merely at a laboratory holding ISO/IEC 17025 accreditation. Axiom Analytics does not itself currently hold ISO/IEC 17025 accreditation. The method-validation status of each reported result is identified beside that result. Partner laboratory identities are not disclosed: samples are analyzed under double-blind conditions, identified only by an internal lot ID.

Each signature is an ed25519 signature over the SHA-384 hash of this report. Scan the QR on the letterhead or verify independently at https://axiomanalyticslab.com/verify/AX-2026-1532-N8MT.

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom
ANALYTICS

CERTIFICATE OF ANALYSIS · 8X COMPREHENSIVE PANEL

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

AX-2026-1532-N8MT

TA-3R (Retatrutide) · Lot TA-3R-20260815-10
Issued Oct 6, 2026 PT · v1
Verify: 1E4C-A023-9F44

SCAN TO VERIFY

CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: af422d60ba0c77fb16361b894c88e6cc7b14b78c4a10f9e52a4c0ae591d24a75...

Seal: ed25519:e9296e3bfc3904b62475d7420cbe8c3f59db787c...

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

RESEARCH USE ONLY. All analytical testing, validation reports, and interactive Certificates of Analysis (COAs) provided by Axiom Analytics are intended strictly for Research Use Only (RUO) in in-vitro or laboratory animal model environments. Axiom Analytics does not analyze, validate, evaluate, or make any representations regarding the safety, efficacy, toxicity, or legality of any tested substance for human or animal consumption, veterinary use, clinical diagnostics, food additives, cosmetics, or household applications.

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.