Certificate of Analysis

ILS Laboratories
8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

SA-2T - 30mg

PASS

Tested for: Southern Aminos
31938 Temecula Pkwy, Suite A PMB #361 Temecula, CA 92592 | www.southernaminos.com

COA #:	**COA-2026-6IR5JE**	Method:	**Full QC Panel**
Lot Number:	**2T300526A**	Analysis Date:	**05/21/2026**
Accession #:	**ACC-2026-2405**	Appearance:	**Good**
Concentration:	**30mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/13/2026**

Scan to verify authenticity at ils-lab.com

Identity	Purity	
SA-2T	**99.95%**	Fentanyl Free

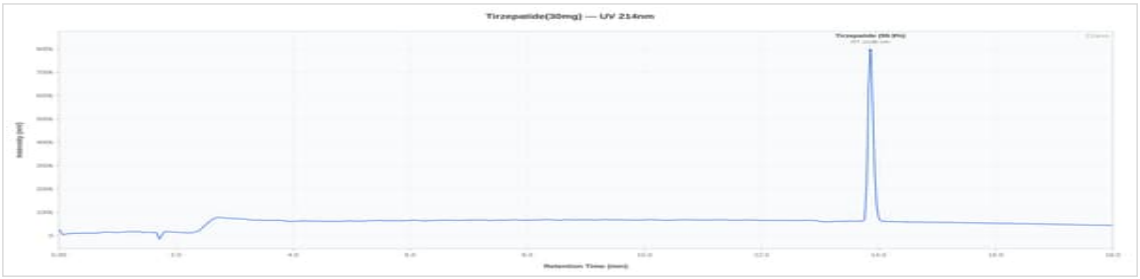


SA-2T 30mg - 2T300526A

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.95%**	%	PASS
Net Peptide Content	Report Only	**30.9**	mg	N/A
Identity (ID)	TIRZEPATIDE	**Confirmed**	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	PASS

HPLC Chromatogram



Representative chromatogram, Conformity V6 (99.89% purity, closest to batch mean of 99.89%)

Dr. Greg Kalyuzhny
Lab Director
5/21/2026

COA #: **COA-2026-6IR5JE**
Access Code: **GCGAAKGT**
Verify: portal.ils-lab.com/verify/LyiSp7bsYvLNIaBa
Issued: 5/21/2026

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HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.91%	32.01 mg	Confirmed	**PASS**
Conformity V1	99.95%	30.9 mg	Confirmed	**PASS**
Conformity V2	99.94%	30.97 mg	Confirmed	**PASS**
Conformity V3	99.84%	31.48 mg	Confirmed	**PASS**
Conformity V4	99.91%	31.68 mg	Confirmed	**PASS**
Conformity V5	99.83%	30.72 mg	Confirmed	**PASS**
Conformity V6	99.89%	30.82 mg	Confirmed	**PASS**
Conformity V7	99.82%	32.02 mg	Confirmed	**PASS**
Mean	**99.89%**	**31.32 mg**	—	—
Std Dev	**0.0472%**	**0.5037 mg**	—	—

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	*Not Detected*	**PASS**
Cadmium (Cd)	NMT 0.5 ppm	*Not Detected*	**PASS**
Chromium (Cr)	NMT 10 ppm	*Not Detected*	**PASS**
Mercury (Hg)	NMT 1.5 ppm	*Not Detected*	**PASS**
Lead (Pb)	NMT 1 ppm	*Not Detected*	**PASS**

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COA #:	**COA-2026-6IR5JE**	Method:	**Full QC Panel**
Lot Number:	**2T300526A**	Analysis Date:	**05/21/2026**
Accession #:	**ACC-2026-2405**	Appearance:	**Good**
Concentration:	**30mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/13/2026**

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Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	**No Growth**	**PASS**

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	**NMT 0.05 EU/mL**	**Reported**

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 05/21/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be SA-2T by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin acceptance limits are product-specific. Results reported for client evaluation.
5. Chromatogram shown is representative: Conformity V6 (99.89% purity, closest to batch mean of 99.89%).

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Lab Director
5/21/2026

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