Certificate of Analysis

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

SA-2T - 20mg

PASS

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

COA #:	**COA-2026-SDG9H_**	Method:	**Full QC Panel**
Lot Number:	**2T200526A**	Analysis Date:	**05/19/2026**
Accession #:	**ACC-2026-2463**	Appearance:	**Good**
Concentration:	**20mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/14/2026**

Scan to verify authenticity at ils-lab.com

Identity	Purity	
SA-2T	**100.00%**	Fentanyl Free

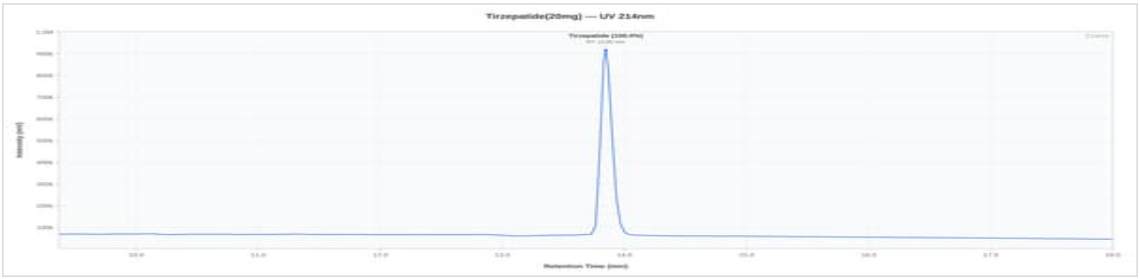


SA-2T 20mg - 2T200526A

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**100.00%**	%	**PASS**
Net Peptide Content	Report Only	**21.35**	mg	N/A
Identity (ID)	TIRZEPATIDE	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.82% purity, closest to batch mean of 99.68%)

Issued by ILS Laboratories
(619) 329-3999
ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
5/24/2026

COA #: **COA-2026-SDG9H_**
Access Code: **GPNZF519**
Verify: portal.ils-lab.com/verify/X90nkzjfQWlwPozP
Issued: 5/24/2026

Certificate of Analysis

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

SA-2T - 20mg

PASS

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

COA #:	**COA-2026-SDG9H_**	Method:	**Full QC Panel**
Lot Number:	**2T200526A**	Analysis Date:	**05/19/2026**
Accession #:	**ACC-2026-2463**	Appearance:	**Good**
Concentration:	**20mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/14/2026**

Scan to verify authenticity at ils-lab.com

HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.82%	20.87 mg	Confirmed	**PASS**
Conformity V1	100.00%	21.35 mg	Confirmed	**PASS**
Conformity V2	98.21%	20.87 mg	Confirmed	**PASS**
Conformity V3	99.85%	20.95 mg	Confirmed	**PASS**
Conformity V4	99.90%	20.49 mg	Confirmed	**PASS**
Conformity V5	99.89%	20.57 mg	Confirmed	**PASS**
Conformity V6	99.89%	21.15 mg	Confirmed	**PASS**
Conformity V7	99.85%	20.72 mg	Confirmed	**PASS**
Mean	**99.68%**	**20.87 mg**	—	—
Std Dev	**0.5565%**	**0.2674 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**

Issued by ILS Laboratories
(619) 329-3999
ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
5/24/2026

COA #: **COA-2026-SDG9H_**
Access Code: **GPNZF519**
Verify: portal.ils-lab.com/verify/X90nkzjfQWlwPozP
Issued: 5/24/2026

Certificate of Analysis

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

SA-2T - 20mg

PASS

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

COA #:	**COA-2026-SDG9H_**	Method:	**Full QC Panel**
Lot Number:	**2T200526A**	Analysis Date:	**05/19/2026**
Accession #:	**ACC-2026-2463**	Appearance:	**Good**
Concentration:	**20mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/14/2026**

Scan to verify authenticity at ils-lab.com

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	**0.064 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.

Certificate Change History — **ILS QA**

Revision 1 – reissued October 30, 2026
Certificate statement updated. Test results are unchanged. Supersedes the original issued 05/24/2026.

Notes & Methodology

1. Date Tested: 05/19/2026. 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: Dedicated V0 (99.82% purity, closest to batch mean of 99.68%).

Issued by ILS Laboratories
(619) 329-3999
ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
5/24/2026

COA #: **COA-2026-SDG9H_**
Access Code: **GPNZF519**
Verify: portal.ils-lab.com/verify/X90nkzjfQWlwPozP
Issued: 5/24/2026