Certificate of Analysis

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

MTT-31 - 10mg

PASS

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

COA #:	**COA-2026-VXJELM**	Method:	**Full QC Panel**
Lot Number:	**MTT100526E**	Analysis Date:	**06/07/2026**
Accession #:	**ACC-2026-3759**	Appearance:	**Good**
Labeled Content:	**10mg**	Sample Matrix:	**Lyophilized**
		Date Received:	**06/02/2026**

Scan to verify authenticity at ils-lab.com
Access Code: 549BT9DA

Identity	Peptide Purity	
MTT-31	**99.85%**	**Fentanyl Free**



MTT-31 10mg - MTT100526E

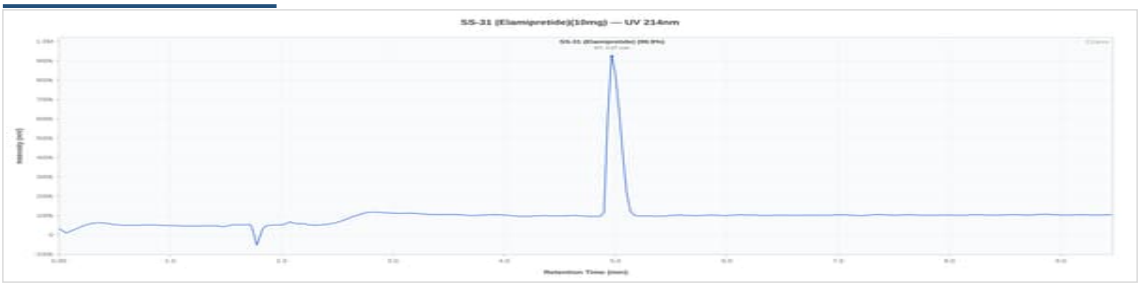
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.85%**	%	**PASS**
Net Peptide Content	Report Only	**10.56**	mg	N/A
Identity (HPLC-RTM)	SS-31 (Elamipretide)	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Unit	Status
Heavy Metals				
Arsenic (As)	<= 1.5 ppm	**0.12 ppm**	ppm	**PASS**
Cadmium (Cd)	<= 0.5 ppm	**0.08 ppm**	ppm	**PASS**
Lead (Pb)	<= 1.0 ppm	**0.12 ppm**	ppm	**PASS**
Mercury (Hg)	<= 1.5 ppm	**0.13 ppm**	ppm	**PASS**
Chromium (Cr)	<= 10.0 ppm	**1.32 ppm**	ppm	**PASS**

HPLC Chromatogram



Representative chromatogram, Conformity V3 (99.52% purity, closest to batch mean of 99.49%)

Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-VXJELM**
Access Code: **549BT9DA**
Verify: portal.ils-lab.com/verify/-a7avBpNtmAWMZKu
Issued: 6/7/2026

HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.80%	10.32 mg	Confirmed	**PASS**
Conformity V1	99.59%	10.42 mg	Confirmed	**PASS**
Conformity V2	98.97%	10.59 mg	Confirmed	**PASS**
Conformity V3	99.52%	10.26 mg	Confirmed	**PASS**
Conformity V4	99.19%	10.65 mg	Confirmed	**PASS**
Conformity V5	99.18%	10.32 mg	Confirmed	**PASS**
Conformity V6	99.82%	10.29 mg	Confirmed	**PASS**
Conformity V7	99.85%	10.56 mg	Confirmed	**PASS**
Mean	**99.49%**	**10.43 mg**	—	—
Std Dev	**0.3166%**	**0.1430 mg**	—	—

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	**0.18 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: 06/07/2026. Methods: Purity & Quant (HPLC); Heavy Metals (ICP-MS).
2. The sample was confirmed to be MTT-31 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
4. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
5. Chromatogram shown is representative: Conformity V3 (99.52% purity, closest to batch mean of 99.49%).

Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-VXJELM**
Access Code: **549BT9DA**
Verify: portal.ils-lab.com/verify/-a7avBpNtmAWMZKu
Issued: 6/7/2026

ILS Laboratories | 8222 Vickers St, Suite 106, San Diego, CA 92111 | (619) 329-3999 | ils-lab.com
ISO/IEC 17025 Accredited | This certificate relates only to the items tested. Results shall not be reproduced except in full without written approval.