

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-TINFII	Method:	Full QC Panel
Lot Number:	MTT100526J	Analysis Date:	05/12/2026
Accession #:	ACC-2026-1939	Appearance:	Good
Concentration:	10mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	05/05/2026



Scan to verify
authenticity at ils-lab.com

Identity

MTT-31

Purity

99.80%



Fentanyl
Free

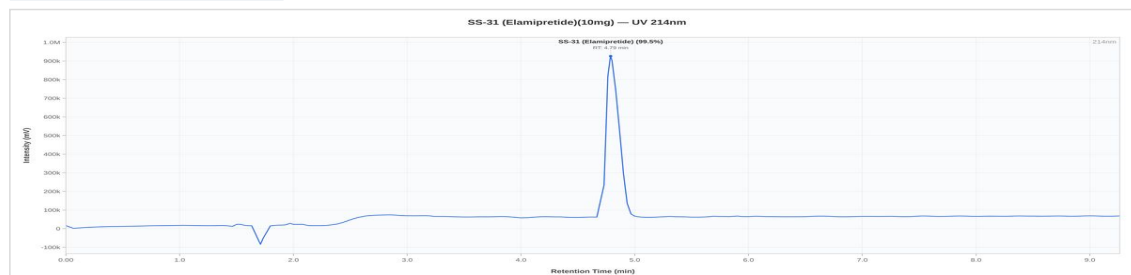
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.80%	%	PASS
Net Peptide Content	Report Only	10.47	mg	N/A
Identity (ID)	SS-31	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



MTT-31 10mg - MTT100526J

HPLC Chromatogram



Representative chromatogram, Conformity V2 (99.63% purity, closest to batch mean of 99.63%)



Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
5/12/2026

COA #: COA-2026-TINFII
Access Code: GBYFP0WI
Verify: portal.ils-lab.com/verify/A7rfu3uRZjHee_00
Issued: 5/12/2026

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HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.54%	10.34 mg	Confirmed	PASS
Conformity V1	99.42%	10.68 mg	Confirmed	PASS
Conformity V2	99.63%	10.63 mg	Confirmed	PASS
Conformity V3	99.65%	10.53 mg	Confirmed	PASS
Conformity V4	99.68%	Pending	Confirmed	PASS
Conformity V5	N/A	Pending	Confirmed	PENDING
Conformity V6	99.80%	10.47 mg	Confirmed	PASS
Conformity V7	99.69%	10.67 mg	Confirmed	PASS
Mean	99.63%	10.55 mg	—	—
Std Dev	0.1119%	0.1215 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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Sterility Testing (PCR)

Test	Specification	Result	Unit	Status
Sterility (PCR)	No Growth	No Growth	-	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Unit	Status
Endotoxin (USP <85>)	< 0.25 EU/mL	0.142 EU/mL		PASS

Notes & Methodology

- Date Tested: 05/12/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be MTT-31 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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 route-of-administration standard.
- Chromatogram shown is representative: Conformity V2 (99.63% purity, closest to batch mean of 99.63%).



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5/12/2026

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Issued: 5/12/2026