Certificate of Analysis

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

2S-31 50mg - 50mg

Tested for: Utah Pep Pros
https://utahpeppros.com

PASS

Scan to verify authenticity at ils-lab.com
Access Code: 2WEMWMKW

COA #:	**COA-2026-957539**	Analysis Date:	**10/07/2026**
Lot Number:	**2609029**	Appearance:	**Good**
Labeled Content:	**50mg**	Volume:	**3mL**
Volume:	**3mL**	Date Received:	**10/01/2026**

Method: **Purity, Identity & Quantitation (HPLC)**

Identity	Peptide Purity	
2S-31 50mg	**99.90%**	Fentanyl Free

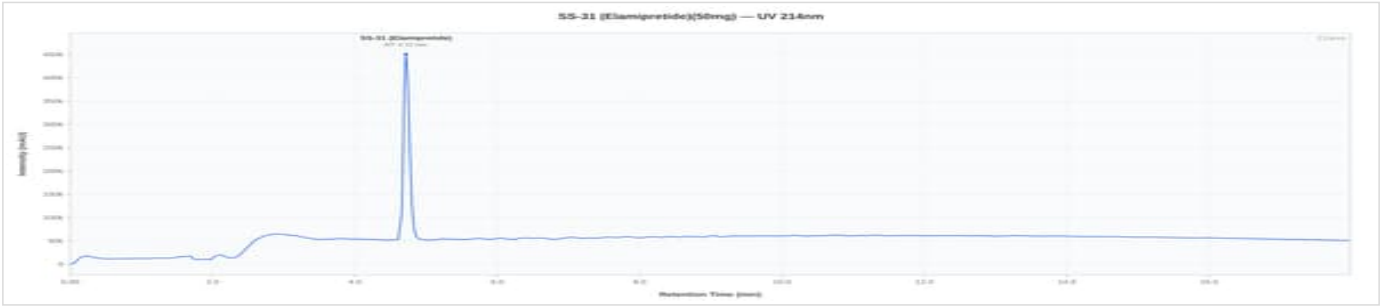


2S-31 50mg 50mg - 2609029

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.90%**	%	**PASS**
Net Peptide Content	Report Only	**52.1**	mg	N/A
Identity (HPLC-RTM)	SS-31 (Elamipretide)	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



2S-31 50mg 50mg - 2609029: UV Chromatogram

Notes & Methodology

1. Date Tested: 10/07/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be 2S-31 50mg by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. 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.
4. Purity values are capped at 99.9% to reflect instrument limit of detection (LOD). Trace impurities below the detection threshold may be present.
5. Accreditation Scope: ILS Laboratories maintains ISO/IEC 17025 accreditation for activities listed in its published PJLA scope. Peptide testing reported on this certificate is performed for Research Use Only.
6. This certificate reports analytical results for the sample(s) submitted to ILS Laboratories for testing. All sample identifications, product names, brand names, lot/batch numbers, and labeled content are provided by the submitting party and have not been independently verified. Results reflect only the analytical testing of the specific sample(s) provided and do not constitute an evaluation or endorsement of the manufacturer's processes, quality systems, or overall production. ILS Laboratories makes no representations regarding the intended use, safety, efficacy, regulatory status, or intellectual property ownership of any materials tested.

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

Dr. Greg Kalyuzhny
Lab Director
10/07/2026

COA #: **COA-2026-957539**
Access Code: **2WEMWMKW**
Verify: portal.ils-lab.com/verify/Y0cW7YeQAkjgIHua
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