Certificate of Analysis

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

DSIP/PINELON 10/10mg - 20mg

PASS

10x Tested

Tested for: PS SUPPLY

COA #:	**COA-2026-NRCOX3**	Analysis Date:	**10/23/2026**
Lot Number:	**PS-002**	Appearance:	**Good**
Accession #:	**ACC-2026-23530**	Sample Matrix:	**Liquid/Solution**
Labeled Content:	**20mg**	Vial Size:	**15mL**
		Date Received:	**10/20/2026**

Scan to verify authenticity at ils-lab.com
Access Code: BESRA72B

Method: **Full QC Panel**

Identity
DSIP/PINELON 10/10mg

Fentanyl Free



DSIP/PINELON 10/10mg 20mg - PS-002

Full QC Panel

Analyte	Specification	Result	Unit	Status
Net Peptide Content	Report Only	**21.05**	mg	N/A
Identity (HPLC-RTM)	DSIP + Pinealon	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

Additional Analyses

Product pH
Method: Potentiometric pH (USP <791>)
Result: 4.27 Spec: Report Only Status: Report Only

Solubility Analysis
Method: Visual Solubility Assessment (USP general notices descriptive terms)
Result: Fully soluble - clear solution Spec: Report Only Status: Report Only
Solvent: NA Concentration: NA

Closure Integrity
Method: Vacuum Leak Test (USP <1207>)
Result: No leakage observed Spec: No leakage observed Status: PASS

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**
Lead (Pb)	NMT 1.0 ppm	*Not Detected*	**PASS**
Mercury (Hg)	NMT 1.5 ppm	*Not Detected*	**PASS**
Chromium (Cr)	NMT 10.0 ppm	*Not Detected*	**PASS**

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>)	NMT 0.25 EU/mL	**NMT 0.05 EU/mL**	**PASS**

Acceptance criteria: NMT 0.25 EU/mL per client specification.

Certificate Change History

ILS QA

Revision 1 – reissued October 30, 2026

Certificate statement updated. Test results are unchanged. Supersedes the original issued 10/23/2026.

Notes & Methodology

1. Date Tested: 10/23/2026. Methods: Full QC Panel.
2. The sample was confirmed to be DSIP/PINELON 10/10mg 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 tested per USP <85> kinetic chromogenic method. Acceptance criteria per client specification.
5. Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. Peptide testing 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

10/23/2026

COA #: **COA-2026-NRCOX3**

Access Code: **BESRA72B**

Verify: portal.ils-lab.com/verify/K4Bm3AqP4n7QSWCO

Issued: 10/23/2026

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This certificate relates only to the sample(s) tested.