

ILS Laboratories

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

5 Amino 1mq - 50mg

PASS



Tested for: NextGen Peptides
www.NGpeptide.com

COA #: **COA-2026-W0_1SR**
Lot Number: **5AM-CAP-02**
Accession #: **ACC-2026-2784**
Concentration: **50mg**
Sample Matrix: **Capsule/Tablet**

Method: **Full QC Panel**
Analysis Date: **05/24/2026**
Appearance: **Good**
Received: **05/19/2026**



Scan to verify
authenticity at ils-lab.com

Identity

5 Amino 1mq

Purity

99.98%

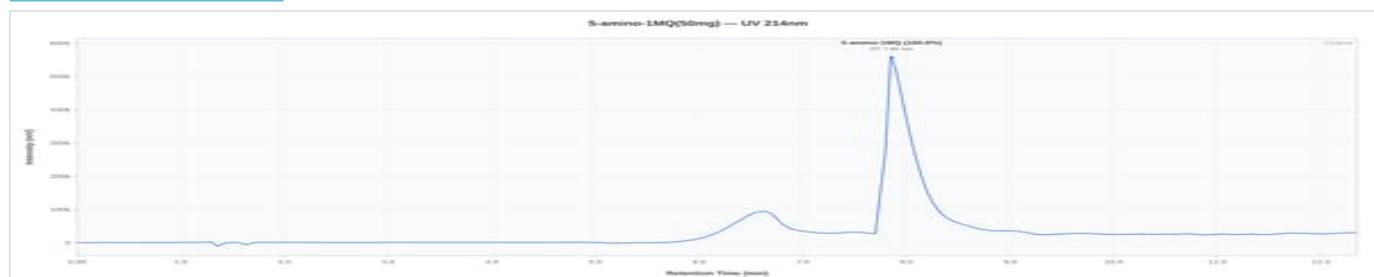


**Fentanyl
Free**

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.98%	%	PASS
Net Peptide Content	Report Only	53.23	mg	N/A
Identity (ID)	5 Amino 1mq	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



Representative chromatogram, Conformity V2 (99.97% purity, closest to batch mean of 99.97%)



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
5/24/2026

COA #: **COA-2026-W0_1SR**
Access Code: **HVTHKCY2**
Verify: portal.ils-lab.com/verify/ppkL2Inn2Xwj9HxU
Issued: 5/24/2026

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HPLC Conformity Testing Results (4 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.98%	53.23 mg	Confirmed	PASS
Conformity V1	99.98%	53.35 mg	Confirmed	PASS
Conformity V2	99.97%	53.1 mg	Confirmed	PASS
Conformity V3	99.96%	51.25 mg	Confirmed	PASS
Mean	99.97%	52.73 mg	—	—
Std Dev	0.0083%	0.8605 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

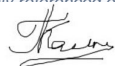
Sterility Testing (PCR)

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

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	NMT 0.05 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.



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Certificate of Analysis

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Notes & Methodology

1. Date Tested: 05/24/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be 5 Amino 1mq 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: Conformity V2 (99.97% purity, closest to batch mean of 99.97%).



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