

ILS Laboratories

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MOTS-C - 10mg

Tested for: AEY Labs

PASS

COA #: COA-2026-955044
Lot Number: AEYMTSC10-01
Accession #: ACC-2026-11961
Labeled Content: 10mg

Analysis Date: 07/31/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 07/22/2026



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

Method: Full QC Panel

Identity

MOTS-C

Peptide Purity

99.81%

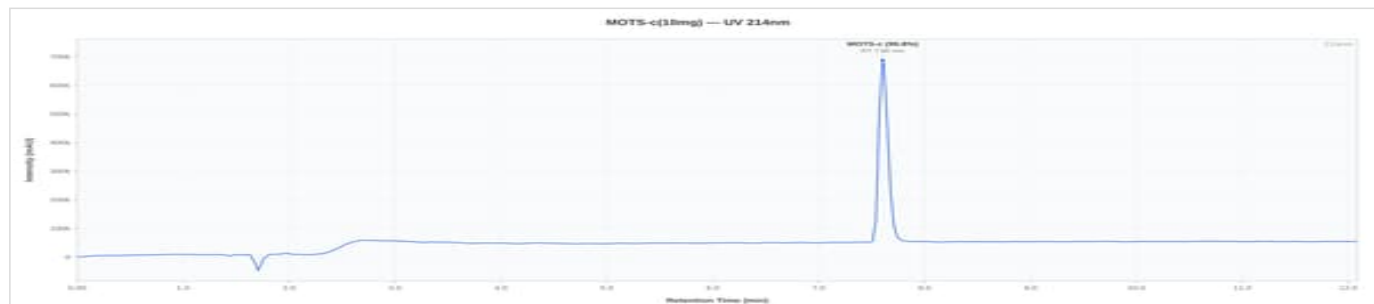


Fentanyl
Free

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.81%	%	PASS
Net Peptide Content	Report Only	10.31	mg	N/A
Identity (HPLC-RTM)	MOTS-c	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



MOTS-C 10mg - AEYMTSC10-01: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.1845	PASS
Cadmium (Cd)	NMT 0.5 ppm	0.1375	PASS
Lead (Pb)	NMT 1 ppm	0.0603	PASS
Mercury (Hg)	NMT 1.5 ppm	0.1221	PASS
Chromium (Cr)	NMT 10 ppm	0.1686	PASS



Dr. Greg Kalyuzhny

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Lab Director
8/6/2026

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Verify: <portal.ils-lab.com/verify/UJWaiMnTIH1aorqC>
Issued: 8/6/2026

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 0.05 EU/mL	NMT 0.05 EU/mL	PASS

Acceptance criteria: NMT 0.05 EU/mL per client specification.

Notes & Methodology

1. Date Tested: 08/06/2026. Methods: Full QC Panel.
2. The sample was confirmed to be MOTS-C 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 turbidimetric method. Acceptance criteria per client specification.
5. 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.




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