

ILS Laboratories

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MOTS-C - 10mg

px1 Tested for: px1 research
PX1RESEARCH.COM

COA #: COA-2026-8ZCRPQ
Lot Number: px1mots10-0021
Accession #: ACC-2026-11961
Labeled Content: 10mg

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

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: HSDR2JVX

Method: Full QC Panel

Identity	Peptide Purity	Fentanyl Free
MOTS-C	99.81%	

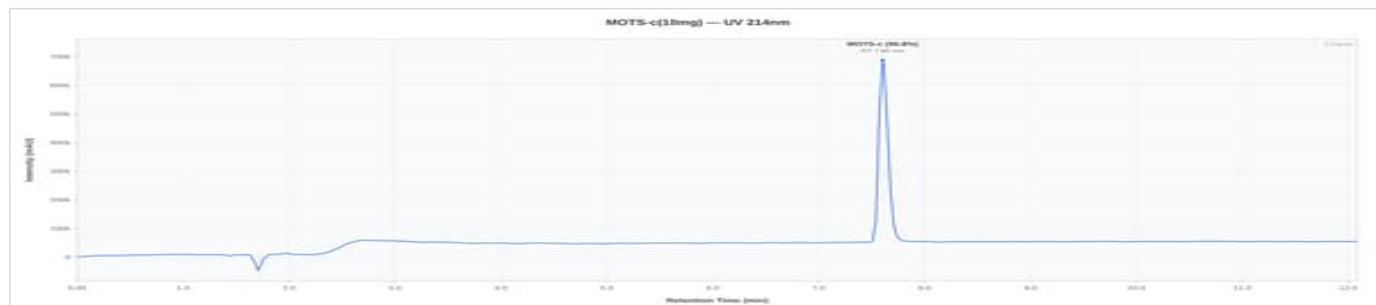
Full QC Panel

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



MOTS-C 10mg - px1mots10-0021

HPLC Chromatogram



MOTS-C 10mg - px1mots10-0021: 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

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: 07/31/2026. 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.




Dr. Greg Kalyuzhny
Lab Director
7/31/2026

COA #: **COA-2026-8ZCRPQ**
Access Code: **HSDR2JVX**
Verify: portal.ils-lab.com/verify/3DRg799Ghj7GZ06_
Issued: 7/31/2026