Certificate of Analysis

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

MOTS-C - 10mg

Tested for: Vault Labs Research
Www.vaultlabsresearch.net

PASS

Scan to verify authenticity at ils-lab.com
Access Code: EKDP796Z

COA #:	**COA-2026-DDISZ1**	Analysis Date:	**07/24/2026**
Lot Number:	**VLR-MS10-0726**	Appearance:	**Good**
Labeled Content:	**10mg**	Volume:	**3mL**
Volume:	**3mL**	Date Received:	**07/09/2026**

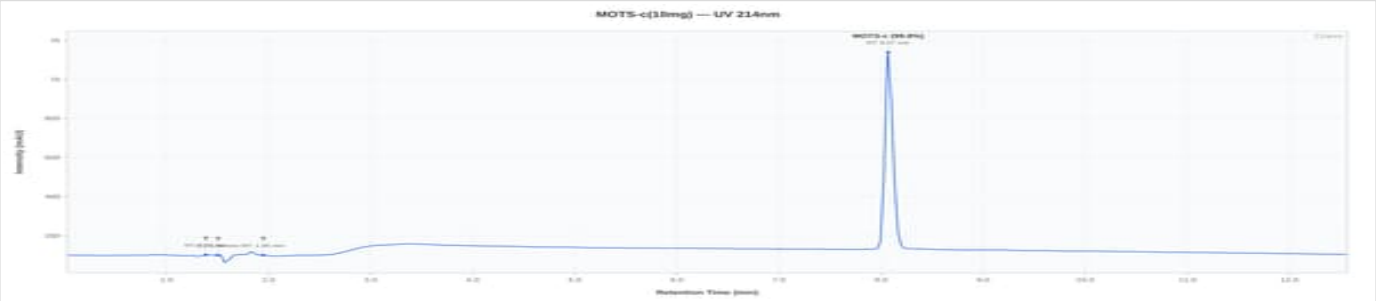
Method: **Purity, Identity & Quantitation (HPLC)**

Identity	Peptide Purity	
MOTS-C	**99.76%**	**Fentanyl Free**

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.76%**	%	**PASS**
Net Peptide Content	Report Only	**10.51**	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 - VLR-MS10-0726: UV Chromatogram

Notes & Methodology

1. Date Tested: 07/24/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be MOTS-C 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.

Issued by ILS Laboratories
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ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
7/24/2026

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Access Code: **EKDP796Z**
Verify: portal.ils-lab.com
Issued: 7/24/2026