Certificate of Analysis

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

MOTS-C - 40mg

Tested for: Northline Labs

PASS

Scan to verify authenticity at ils-lab.com
Access Code: RC3PFM6A

COA #:	**COA-2026-MYD1FF**	Analysis Date:	**07/28/2026**
Lot Number:	**NLL-3735776**	Appearance:	**Good**
Labeled Content:	**40mg**	Volume:	**3mL**
Volume:	**3mL**	Date Received:	**07/17/2026**

Method: **Purity, Identity & Quantitation (HPLC), Endotoxin (USP <85>)**

Identity	Peptide Purity	
MOTS-C	**99.49%**	**Fentanyl Free**

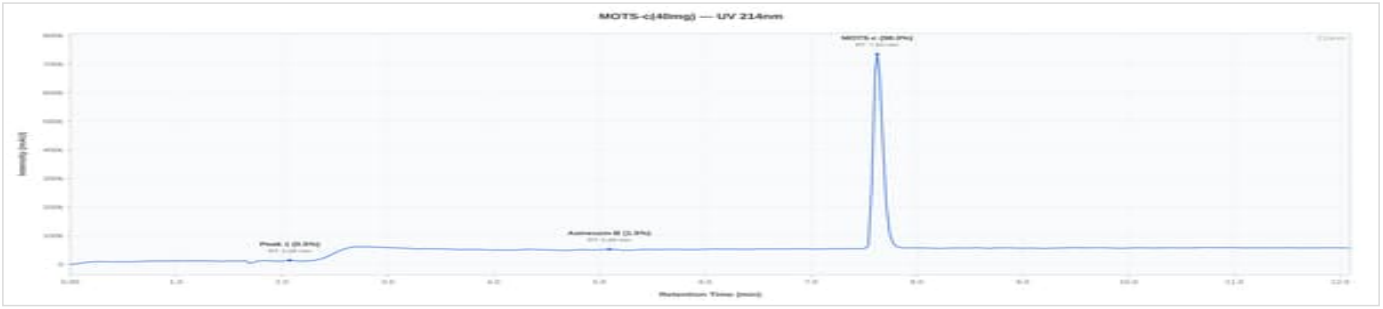


MOTS-C 40mg - NLL-3735776

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.49%**	%	**PASS**
Net Peptide Content	Report Only	**42.21**	mg	N/A
Identity (HPLC-RTM)	MOTS-c	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



MOTS-C 40mg - NLL-3735776: UV Chromatogram

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	**0.146 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.

Notes & Methodology

1. Date Tested: 07/28/2026. 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. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
4. 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
7/28/2026

COA #: **COA-2026-MYD1FF**
Access Code: **RC3PFM6A**
Verify: portal.ils-lab.com
Issued: 7/28/2026

ILS Laboratories | 8222 Vickers St, Suite 106, San Diego, CA 92111 | (619) 329-3999 | ils-lab.com
ISO/IEC 17025 Accredited | This certificate relates only to the items tested. Results shall not be reproduced except in full without written approval.