

ILS Laboratories

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

MOTS-C - 10mg

Tested for: Neo Blue Logistics

PASS

COA #: COA-2026-953606
Lot Number: LOT# BP-MS10-1001
Labeled Content: 10mg
Sample Matrix: Lyophilized

Analysis Date: 07/09/2026
Appearance: Good
Sample Matrix: Lyophilized
Vial Size: 3mL
Date Received: 07/01/2026



Scan to verify
authenticity at ils-lab.com
Access Code: BMRQT9ES

Method: Purity & Quant (HPLC)

Identity

MOTS-C

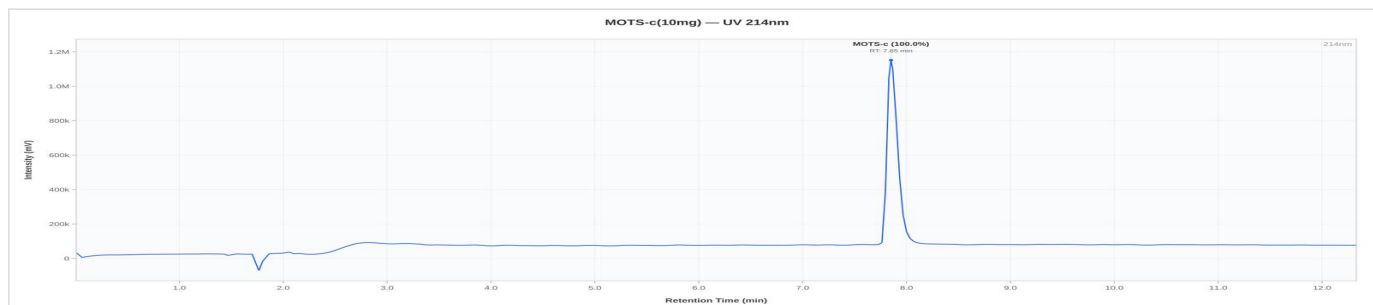
Peptide Purity

99.99%

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.99%	%	PASS
Net Peptide Content	Report Only	10.61	mg	N/A
Identity (HPLC-RTM)	MOTS-c	Confirmed	-	PASS

HPLC Chromatogram



Representative chromatogram, Dedicated V0

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.99%	10.28 mg	Confirmed	PASS
Conformity V1	99.99%	10.61 mg	Confirmed	PASS
Mean	99.99%	10.45 mg	—	—
Std Dev	—	0.1650 mg	—	—

Notes & Methodology

- Date Tested: 07/09/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be MOTS-C by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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.
- Chromatogram shown is representative: Dedicated V0 (99.99% purity, closest to batch mean of 99.99%).



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
7/9/2026

COA #: COA-2026-953606
Access Code: BMRQT9ES
Verify: portal.ils-lab.com/verify/xw9zlpGjIuymv8At
Issued: 7/9/2026

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MOTS-C - 10mg

Tested for: Neo Blue Logistics

PASS

COA #: COA-2026-953605
Lot Number: LOT# BP-MS10-1001
Labeled Content: 10mg
Sample Matrix: Lyophilized

Analysis Date: 07/09/2026
Appearance: Good
Sample Matrix: Lyophilized
Vial Size: 3mL
Date Received: 07/01/2026



Scan to verify
authenticity at ils-lab.com
Access Code: YN3W6RQC

Method: Purity & Quant (HPLC), Heavy Metals (ICP-MS), Endotoxin (USP <85>), Sterility (PCR)

Identity

MOTS-C

Peptide Purity

99.99%

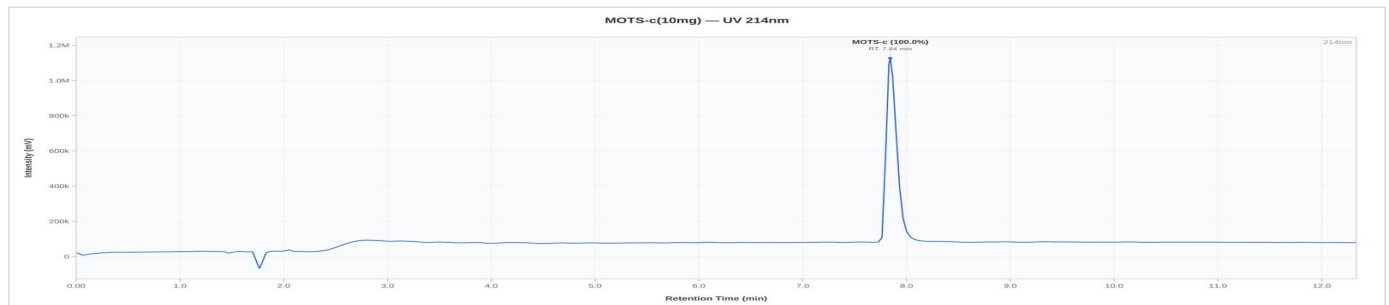
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.99%	%	PASS
Net Peptide Content	Report Only	10.28	mg	N/A
Identity (HPLC-RTM)	MOTS-c	Confirmed	-	PASS



MOTS-C 10mg - LOT#
BP-MS10-1001

HPLC Chromatogram



Representative chromatogram, Dedicated V0

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Unit	Status
Heavy Metals				
Arsenic (As)	<= 1.5 ppm	Not Detected	ppm	PASS
Cadmium (Cd)	<= 0.5 ppm	Not Detected	ppm	PASS
Lead (Pb)	<= 1.0 ppm	0.614	ppm	PASS
Mercury (Hg)	<= 1.5 ppm	Not Detected	ppm	PASS
Chromium (Cr)	<= 10.0 ppm	0.779	ppm	PASS



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Lab Director
7/9/2026

COA #: COA-2026-953605
Access Code: YN3W6RQC
Verify: <portal.ils-lab.com/verify/6vGn70-ovJ3MGv3E>
Issued: 7/9/2026

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.99%	10.28 mg	Confirmed	PASS
Conformity V1	99.99%	10.61 mg	Confirmed	PASS
Mean	99.99%	10.45 mg	—	—
Std Dev	—	0.1650 mg	—	—

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	0.144 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: 07/09/2026. Methods: Purity & Quant (HPLC); Heavy Metals (ICP-MS).
- 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.
- 5. Chromatogram shown is representative: Dedicated V0 (99.99% purity, closest to batch mean of 99.99%).



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7/9/2026

COA #: **COA-2026-953605**

Access Code: **YN3W6RQC**

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Issued: 7/9/2026