

ILS Laboratories

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

MOTS-C - 40mg

PASS



Tested for: Southern Aminos

31938 Temecula Pkwy, Suite A PMB #361 Temecula, CA 92592 | www.southernaminos.com

COA #:	COA-2026-TJ1V2J	Method:	Full QC Panel
Lot Number:	MO400426J	Analysis Date:	04/30/2026
Accession #:	ACC-2026-1433	Appearance:	Good
Concentration:	40mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	04/28/2026



Scan to verify
authenticity at ils-lab.com

Identity

MOTS-C

Purity

99.76%

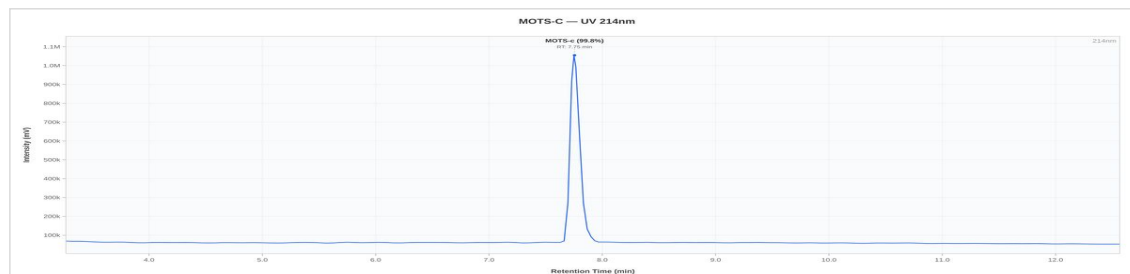
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.76%	%	PASS
Net Peptide Content	Report Only	41.09	mg	N/A
Identity (ID)	MOTS-C	Confirmed	-	PASS



MOTS-C 40mg - MO400426J

HPLC Chromatogram



Representative chromatogram, Conformity V4 (99.66% purity, closest to batch mean of 99.64%)



Handwritten signature

Dr. Greg Kalyuzhny
Lab Director
4/30/2026

COA #: **COA-2026-TJ1V2J**
Access Code: **029S6JP8**
Verify: portal.ils-lab.com/verify/zHZ3ZW5I97kmKFU
Issued: 4/30/2026

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HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.74%	41.02 mg	Confirmed	PASS
Conformity V1	99.60%	42.11 mg	Confirmed	PASS
Conformity V2	99.76%	41.09 mg	Confirmed	PASS
Conformity V3	99.54%	41.9 mg	Confirmed	PASS
Conformity V4	99.66%	42.66 mg	Confirmed	PASS
Conformity V5	99.48%	42.48 mg	Confirmed	PASS
Conformity V6	99.57%	42.09 mg	Confirmed	PASS
Conformity V7	99.75%	42.66 mg	Confirmed	PASS
Mean	99.64%	42.00 mg	—	—
Std Dev	0.0993%	0.6042 mg	—	—

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	PASS




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Sterility Testing (PCR)

Test	Specification	Result	Unit	Status
Sterility (PCR)	No Growth	No Growth	-	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Unit	Status
Endotoxin (USP <85>)	< 0.25 EU/mL	NMT 0.05 EU/mL		PASS

Notes & Methodology

1. Date Tested: 04/30/2026. Methods: Purity & Quant (HPLC).
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 route-of-administration standard.
4. Chromatogram shown is representative: Conformity V4 (99.66% purity, closest to batch mean of 99.64%).



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