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: Glacier Aminos
www.glacieraminos.shop

PASS

COA #:	**COA-2026-HWG5R3**	Analysis Date:	**06/16/2026**
Lot Number:	**MOT10GA-07**	Appearance:	**Good**
Accession #:	**ACC-2026-4481**	Sample Matrix:	**Lyophilized**
Labeled Content:	**10mg**	Vial Size:	**3mL**
		Date Received:	**06/10/2026**

Scan to verify authenticity at ils-lab.com
Access Code: R66GEB8Z

Method: **Expanded QC Panel**

Identity	Peptide Purity	
MOTS-C	**99.84%**	**Fentanyl Free**

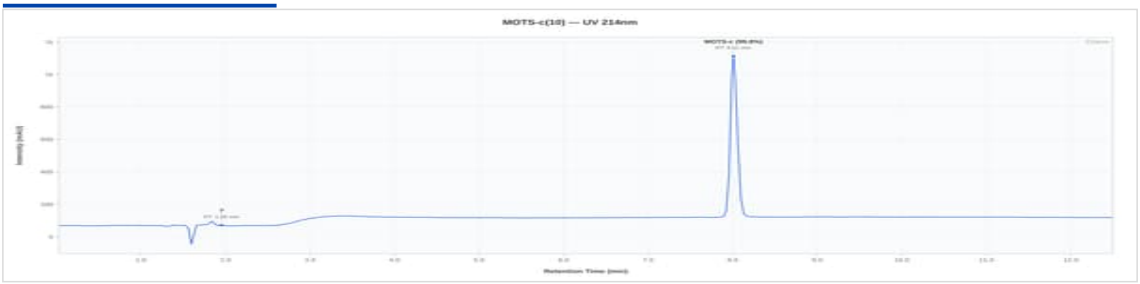


MOTS-C 10mg - MOT10GA-07

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.84%**	%	**PASS**
Net Peptide Content	Report Only	**10.43**	mg	N/A
Identity (HPLC-RTM)	MOTS-c	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.80% purity, closest to batch mean of 99.81%)

HPLC Conformity Testing Results (3 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.80%	10.36 mg	Confirmed	**PASS**
Conformity V1	99.78%	10.25 mg	Confirmed	**PASS**
Conformity V2	99.84%	10.43 mg	Confirmed	**PASS**
Mean	**99.81%**	**10.35 mg**	—	—
Std Dev	**0.0249%**	**0.0741 mg**	—	—

Dr. Greg Kalyuzhny
Lab Director
6/16/2026

COA #: **COA-2026-HWG5R3**
Access Code: **R66GEB8Z**
Verify: portal.ils-lab.com/verify/1JQCgNSL5N4PPs-1
Issued: 6/16/2026

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**

Sterility Testing (USP <71>)

Sample	TSB (Tryptic Soy Broth)	FTM (Fluid Thioglycollate)	Status
Sterility Culture V3	*Pending*	*Pending*	**PENDING**
Sterility Culture V4	*Pending*	*Pending*	**PENDING**
Sterility Culture V5	*Pending*	*Pending*	**PENDING**

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Bacterial Endotoxin (LAL)	Report Result	**Pending**	**PENDING**

Notes & Methodology

1. Date Tested: 06/16/2026. 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 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.
6. Chromatogram shown is representative: Dedicated V0 (99.80% purity, closest to batch mean of 99.81%).

Dr. Greg Kalyuzhny
Lab Director
6/16/2026

COA #: **COA-2026-HWG5R3**
Access Code: **R66GEB8Z**
Verify: portal.ils-lab.com/verify/1JQCgNSL5N4PPs-1
Issued: 6/16/2026

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.