

MOTS-c - 10mg

Tested for: AminoBay LLC
aminobay.com

PASS

COA #: COA-2026-KPPYB
Lot Number: MTC0268
Accession #: ACC-N8FKPA
Labeled Content: 10mg

Method: Full QC Panel
Analysis Date: 2026-07-11
Appearance: White lyophilized powder
Sample Matrix: Lyophilized
Date Received: 2026-07-07



Scan to verify at zolog.com
Access Code: 2YBL6L9

Identity
MOTS-c

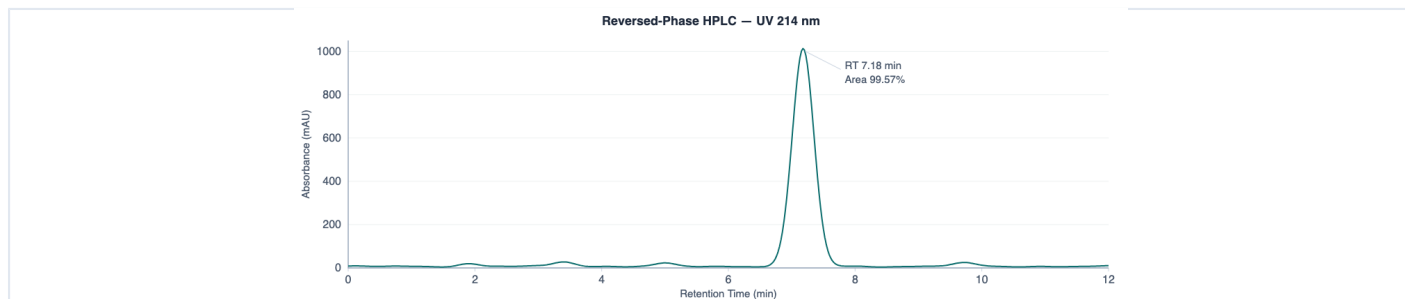
Peptide Purity
99.57%

Fentanyl Free

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.57%	%	PASS
Net Peptide Content	Report Only	10.47	mg	N/A
Identity (ID)	MOTS-c	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



Representative chromatogram, closest to batch mean purity.

HPLC Conformity Testing Results (7 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.55%	10.47	Confirmed	PASS
Conformity V1	99.58%	10.53	Confirmed	PASS
Conformity V2	99.58%	10.49	Confirmed	PASS
Conformity V3	99.59%	10.57	Confirmed	PASS
Conformity V4	99.59%	10.47	Confirmed	PASS
Conformity V5	99.57%	10.44	Confirmed	PASS
Conformity V6	99.59%	10.39	Confirmed	PASS
Mean	99.58%	0.0136	—	—
Std Dev	10.48	0.0542	—	—

Joost Bakker

Dr. Joost Bakker
Laboratory Director
2026-07-12

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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 (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	< 0.05 EU/mL	Reported

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.

Notes & Methodology

- Peptide identity confirmed by HPLC retention-time comparison against a reference standard.
- Purity determined by RP-HPLC area normalization at 214 nm; the value is the target peptide as a percentage of all peptide-related peaks.
- Elemental impurities (As, Cd, Cr, Hg, Pb) screened by ICP-MS.
- Bacterial endotoxin measured by the LAL kinetic method.
- Sterility assessed by a PCR-based screen.

For Research Use Only. Not for human or veterinary use.



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