



Valor Peptides

SAMPLE NAME:
SAMPLE CODE:
RECEIVED DATE:
PUBLISHED DATE:

MOTS-c
ZQ8E-AJ8N
09/25/2026
09/30/2026



DECLARED IDENTITY: MOTS-c
MATRIX TYPE: PEPTIDE
SAMPLE NAME: MOTS-c
SAMPLE SIZE: 10.0 mg
LOT CODE: ARC-MO10-010



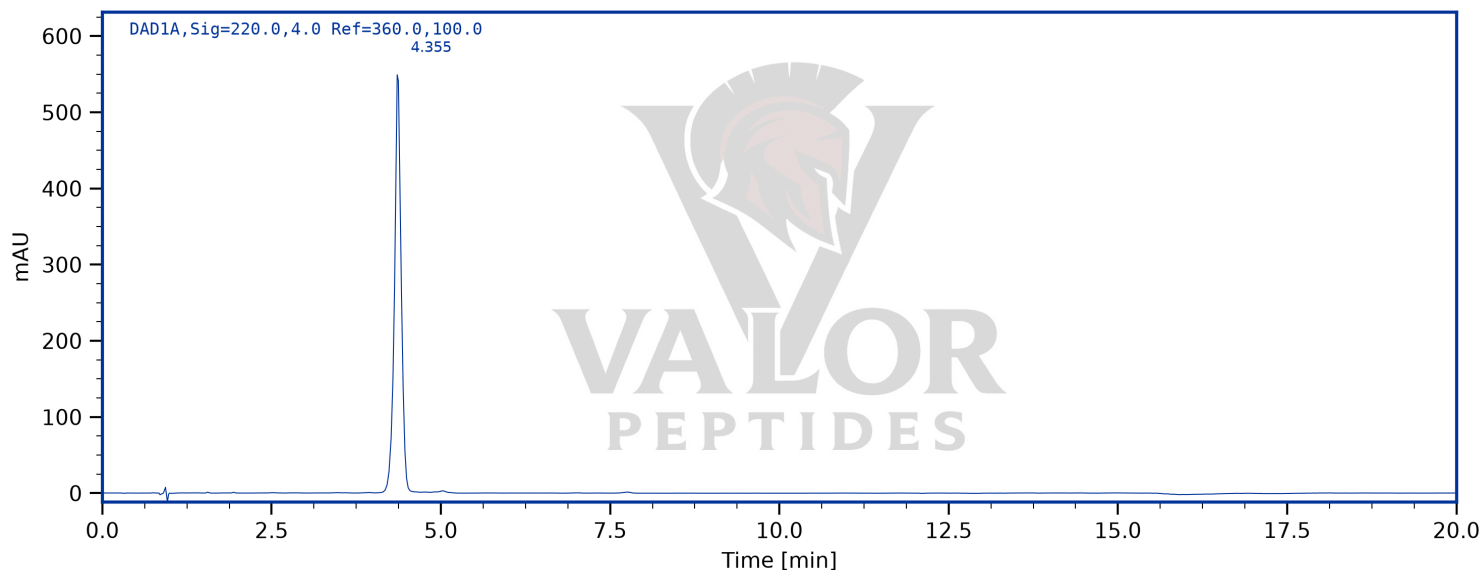
11.009 mg
Total Quantity



99.896%
Total Blend Purity

Sample	Test	Specification	Result	Status
MOTS-c	IDENTITY	MOTS-c	MOTS-c	CONFORMS
MOTS-c	QUANTITY	As measured	11.009 mg	MEASURED
MOTS-c	PURITY	≥ 98 %	99.896%	CONFORMS

HPLC Chromatogram Report



RESULTS REVIEWED BY:

Anthony Burke PhD
Lab Manager
09/30/2026

RESULTS CERTIFIED BY:

Dr. Levi Fried MD
Lab Director
09/30/2026

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Endotoxin USP85 LAL

Test	Specification (EU/mL)	Result (EU/mL)	LOQ (EU/mL)	Verdict
Endotoxin USP85 LAL	≤5	< LOQ	2.5	Conforms

Method: Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

Rapid Sterility Screening (PCR)

Test	Specification	Result	Unit	Verdict
Rapid Sterility Screening (PCR)	Not Detected	Not Detected		Conforms

Method: Rapid sterility screening performed by real-time polymerase chain reaction (qPCR) targeting conserved microbial DNA sequences under validated laboratory conditions.

Heavy Metals - Elemental Impurities

Basis: USP<232> Parenteral PDE | Assumed MDD 25mg / day

Test	Specification (µg/g)	Result (µg/g)	LOQ (µg/g)	Verdict
Lead	≤ 200	< LOQ	3.2	Conforms
Arsenic	≤ 600	< LOQ	55	Conforms
Cadmium	≤ 80	< LOQ	40	Conforms
Mercury	≤ 120	< LOQ	40	Conforms

Method: MP-AES | Sample Prep: Hot block acid digestion of 100 mg of sample with concentrated nitric acid and hydrogen peroxide, loosely capped, diluted to 10 mL.

Basis: Elemental impurity limits are derived from the USP<232> parenteral permitted daily exposure values converted to a concentration basis at the stated maximum daily dose.

Assumed MDD: Concentration limits are derived from the USP<232> parenteral permitted daily exposures — As 15 µg/day, Cd 2 µg/day, Hg 3 µg/day, Pb 5 µg/day — at an assumed maximum daily dose of 25 mg of total drug product (API plus excipient)/day, giving specification limits of As 600 µg/g, Cd 80 µg/g, Hg 120 µg/g, and Pb 200 µg/g. Limits scale inversely with dose; products administered above the assumed MDD require proportionally lower concentration limits.

Fentanyl Screening

Basis: Qualitative lateral-flow immunoassay | Strip detection threshold 200 ng/mL in prepared solution

Test	Specification	Result	Unit	Verdict
Fentanyl	Not Detected	Not Detected		Conforms

Method: Lateral-flow immunoassay test strip | Sample Prep: Aqueous reconstitution prepared ; test strip immersed directly per manufacturer procedure

Reporting Fentanyl screening is qualitative. Results are reported as Not Detected or Detected relative to the test strip's stated detection threshold; no numeric concentration is measured or implied. Not Detected indicates fentanyl was not present above that threshold in the prepared sample solution.

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