



ORDERED BY



Your Peptide Brand

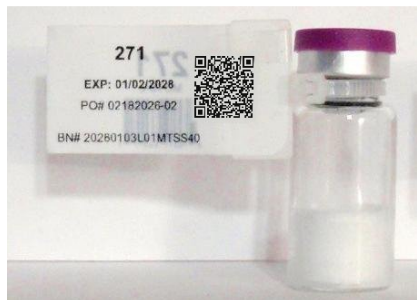
PRODUCT

NAME MOTS-c 40mg
SKU YPB.271
CATEGORY Identity + Purity + Assay + Heavy Metals + Microbial

SAMPLE

BATCH 20280103L01MTSS40
TESTED 2026-04-14

DESCRIPTION Vial with white powder — sealed with plastic security cap. Flag tag attached at neck with manufacturer / product SKU number, PO, and expiration.



Submitted vial — YPB.271

AWAITING DIGITAL SIGNATURE

ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
MOTS-c	Qualitative ID (Lambda Max)	TS λmax is a match compared to its characteristic reference standard.	Matches	✓
	Percent Purity	NLT 98% $r_{xy} = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\sum (x_i - \bar{x})^2} \cdot \sqrt{\sum (y_i - \bar{y})^2}}$	99.5 %	✓
MOTS-c	Quantitative Assay	NLT 95% label claim $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	45.60 mg	✓
	Heavy Metals (Total Quantity)	NMT 150 ppb/vial (including Pb, Cd, Hg, Ni, Fe & Co)	<10 ppb	✓
	TAMC (Aerobic/Coliform)	NMT 1,000 CFU · Incubated 48 hrs @ 37°C	0 CFU	✓
	TYMC (Yeast & Molds)	NMT 100 CFU · Incubated 48 hrs @ 30°C	0 CFU	✓



Verify at https://verify.purityanalytics.com/coa/coa_dd2285fe106719689ea497e8f4e39f1f

Signed by Purity Analytics LLC

Artifact coa_dd2285fe106719689ea497e8f4e39f1f · Rendered 2026-05-20T04:04:01Z



METHODS

- Qualitative ID - Lambda Max
- Percent Purity - Correlation Coefficient
- Quantitative Assay - Beer-Lambert
- Heavy Metals - Total Quantity
- TAMC (Total Aerobic Microbial Counts)
- TYMC (Total Yeast and Mold Counts)

Microbial specifications follow the Substances for Pharmaceutical Use compendium. UV-Vis measurements performed on a Jenway 6715 UV/Vis Spectrophotometer.



Verify at https://verify.purityanalytics.com/coa/coa_dd2285fe106719689ea497e8f4e39f1f

Signed by Purity Analytics LLC

Artifact coa_dd2285fe106719689ea497e8f4e39f1f · Rendered 2026-05-20T04:04:01Z

DISCLAIMER & SCOPE OF TESTING

**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY CONSUMPTION.
NOT FOR DIAGNOSTIC, THERAPEUTIC, OR CLINICAL USE.**

The product analyzed in this Certificate of Analysis has not been evaluated by the U.S. Food and Drug Administration and is not intended to diagnose, treat, cure, or prevent any disease. Issuance of this Certificate of Analysis does not constitute FDA approval, clearance, registration, or endorsement of the product, its manufacturer, or any use thereof.

Sample scope.

Test results apply only to the specific sample identified by the SKU and Batch/Lot number on this report. Purity Analytics LLC tested the sample as received; chain of custody from the manufacturer to the laboratory is the manufacturer's responsibility. Subsequent handling, storage, repackaging, reconstitution, or modification by any party may alter the attributes reported here.

Method scope.

Pass/fail determinations reflect compliance with the acceptance criteria explicitly listed in this report and do not imply compliance with any criterion not listed. Each analytical method has inherent detection limits and measurement uncertainty; results are reported in accordance with the laboratory's validated standard operating procedures.

No warranty.

This data is presented in good faith and on an "as-is" basis. Purity Analytics LLC makes no express or implied warranty of merchantability, fitness for any particular purpose, or non-infringement with respect to the analyzed product. Reliance on this report is at the sole risk of the user; independent verification is the responsibility of the user.

Compliance.

Purchase, possession, and use of the analyzed product are subject to applicable federal, state, and local laws and regulations, which the user is solely responsible for ascertaining and complying with.

Use of this report.

This Certificate of Analysis may be reproduced and distributed in its entirety for purposes of authenticity verification. Modification or partial reproduction is not authorized.

Purity Analytics LLC · Georgia, USA · verify.purityanalytics.com

— END OF REPORT —



Verify at https://verify.purityanalytics.com/coa/coa_dd2285fe106719689ea497e8f4e39f1f

Signed by Purity Analytics LLC

Artifact coa_dd2285fe106719689ea497e8f4e39f1f · Rendered 2026-05-20T04:04:01Z