



Title:

Certificate of Analysis (CoA)

Date: 5/1/2026
Date Tested: 5/9/2026
Customer: Peptides Optimized LLC
Testing material: MOTS-c
Lot Number: MS6435
BT Sample ID: 005000039451465
Labeled Peptide
Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, pink label, silver crimp, orange plastic cap.
Labeled as: MOTS-c
Manufacturer: N/A
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.



Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	64.4 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of MOTS-c with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.3 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	19.6 mg (98 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	19.6 : 164.5 mg (1:8.3)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

