ALPHA ANALYTICAL SOLUTIONS

Independent Quality Control Laboratory — Stockholm, Sweden

CERTIFICATE OF ANALYSIS

COA Ref: COA-2026-9712

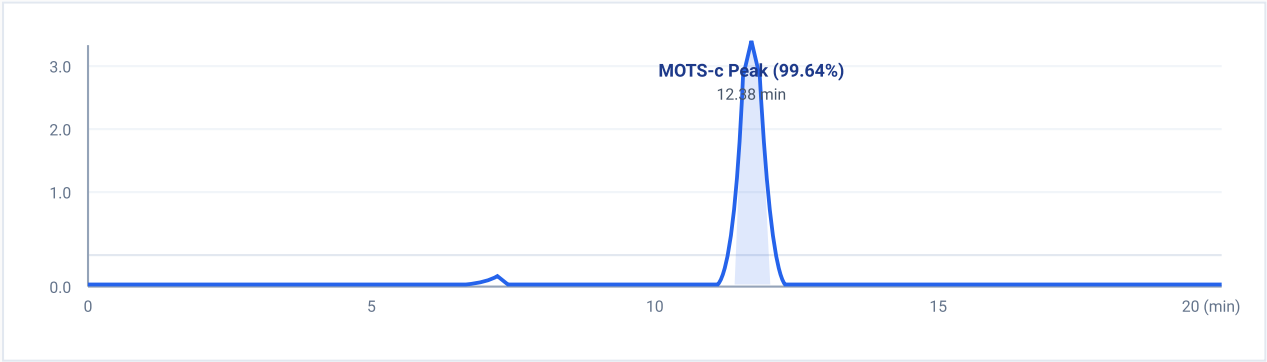
Client Name:	MIRALY Laboratories	**Date of Analysis:**	September 27, 2026
Sample Name:	MOTS-c 40mg	**Date Issued:**	September 29, 2026
Batch Number:	mc40-88329	**Testing Method:**	HPLC-UV / MS Analysis
Form/Appearance:	Lyophilized Powder	**Storage Conditions:**	2–8°C / Dry

ANALYTICAL TEST RESULTS

Test Parameter	Method	Specification	Result	Status
Identification	Mass Spectrometry (MS)	2174.6 Da ± 1.0 Da	2174.7 Da	**CONFORMS**
Chemical Purity	HPLC-UV (214 nm)	≥ 99.0%	**99.64%**	**PASS**
Peptide Content (Assay)	Gravimetric / HPLC	38.0 mg – 42.0 mg	**40.35 mg**	**PASS**
Water Content	Karl Fischer USP <921>	≤ 5.0%	1.02%	**PASS**
Bacterial Endotoxins	LAL Kinetic Chromogenic	≤ 5.0 EU/vial	1.2 EU/vial	**PASS**
Sterility	Membrane Filtration	No Microbial Growth	Conforms	**PASS**

HPLC CHROMATOGRAM (PURITY PROFILE)

Channel: UV_VIS_1 (214 nm) **Major Peak Retention Time: 12.38 min** **Main Peak Area: 99.64%**



Declaration of Conformity: The analytical test results for batch **mc40-88329** conform to all specified quality and purity criteria for research-grade MOTS-c 40mg (≥ 99.0%).

Lars Eriksson
Head of Quality Control
Alpha Analytical Solutions

Approved: Sep 29, 2026
Verified & Validated
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