

Sample Received: **14 Jul 2026**

Report Date: **17 Jul 2026**

COA Issued: **17 Jul 2026**

PRODUCT INFORMATION

CLIENT Blitzlab.eu	SAMPLE NAME MOTS-C 10 mg	SAMPLE TYPE White Lyophilized Powder	MOLECULAR WEIGHT 2174.61 g/mol
BATCH NUMBER BL-000573	CHAIN OF CUSTODY ID COC-6-00573	LABORATORY REPORT ID LR-6-00573	DATE OF ANALYSIS 16 Jul 2026

ANALYTICAL METHODS

Primary Method: HPLC-UV coupled with Mass Spectrometry (LC-MS) · Identity: Mass Spectrometric Molecular Weight Confirmation · Purity: Reverse-Phase HPLC (214 nm)

TEST RESULTS

SPECIFICATION	RESULT	METHOD	STATUS
Reference Standard	Batch Avg. Purity >99.0%	Certified Reference Material	✓ Confirmed
Identity Confirmation	MOTS-c	ESI-LC-MS	✓ Confirmed
Purity (HPLC)	99.487%	RP-HPLC (214 nm)	✓ PASS
Content Assay	10.21 mg/vial	HPLC Quantitation	✓ PASS
Endotoxin Safety Screen	<0.5 EU/mL	LAL Assay	✓ PASS
Heavy Metal Screen	Negative	ICP-MS	✓ PASS
Microbial Sterility Screen	No Growth Detected	USP <71>	✓ PASS

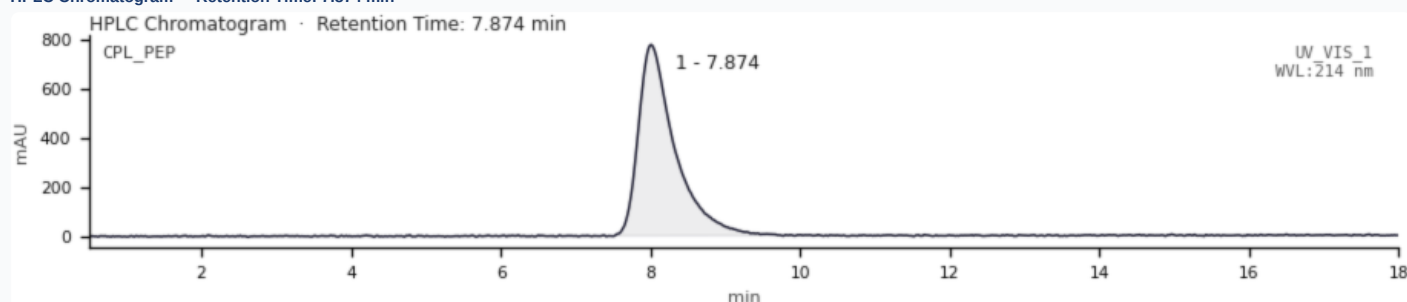


CONFIRMED

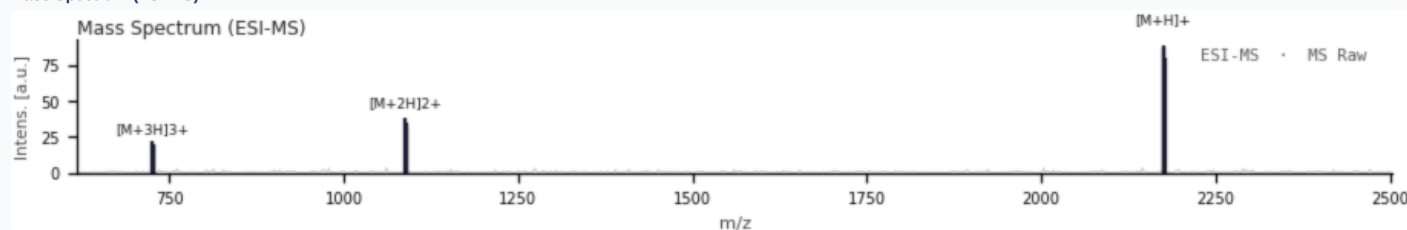
Sample meets all established analytical specifications for research use.

ANALYTICAL DATA

HPLC Chromatogram · Retention Time: 7.874 min



Mass Spectrum (ESI-MS)



CHROMATOGRAM SUMMARY

PK#	RT (MIN)	AREA	HEIGHT	AREA%
1	7.874	92,312	13,042	99.487
2	9.328	476	228	0.513
Total		92,788		100.000

Verified at: <https://clearpeaklabs.com/verify/CPL-2026-00573>

This COA is issued by ClearPeak Labs (clearpeaklabs.com) for research purposes only. Results apply to the submitted sample. Retain this document for quality records.

Contact: info@clearpeaklabs.com

Dr. Marcus Hartwig

Reviewed & released 17/07 - MH

Dr. S. Keller | Senior Analytical Chemist
ClearPeak Labs — QC Division



clearpeaklabs.com/verify/CPL-2026-00573