pH SOLUTIONS

CERTIFICATE OF ANALYSIS

260625-899-NHS-1

Issued Nov 6, 2026

SAMPLE

MOTS-C 10mg

Prepared for **NuLumin** · Lot **NUL-MOT10-20260611-01**

PASS

ISO/IEC 17025:2017 ACCREDITED

A2LA R243 · PJLA Testing #84351 · Zero recalls since 2016

181 W Huntington Dr, Suite 181, Monrovia, CA 91016 · (818) 808-9757

BATCH / LOT	SAMPLE ID	MATRIX	PANELS RUN
NUL-MOT10-20260611-01	260625-899-NHS-1	Peptide	5

RECEIVED	REPORTED	CLIENT
Jun 25, 2026	Nov 6, 2026	NuLumin

PEPTIDE PURITY

METHOD HPLC-UV @ 274 nm

ANALYTE	RESULT	UNIT	LIMIT	STATUS
MOTS-C — purity	99	%		PASS

WATER ACTIVITY

METHOD Hygrometer (Rotronic HC2-AW)

ANALYTE	RESULT	UNIT	LIMIT	STATUS
Water activity	0.37	aw	< 0.65	PASS

MICROBIALS

METHOD qPCR

ANALYTE	RESULT	UNIT	LIMIT	STATUS
Aerobic Bacteria	Not Detected			PASS
Coliforms	Not Detected			PASS
E. Coli	Not Detected		Not detected in 1 g	PASS

HEAVY METALS

METHOD ICP-MS

Tested on the API lot

ANALYTE	RESULT	UNIT	LIMIT	STATUS
Arsenic	Not Detected	ppm	≤ 1.5 · LOD 0.0167 · LOQ 0.05	PASS
Cadmium	Not Detected	ppm	≤ 0.2 · LOD 0.0167 · LOQ 0.05	PASS
Lead	Not Detected	ppm	≤ 0.5 · LOD 0.0167 · LOQ 0.05	PASS
Mercury	Not Detected	ppm	≤ 0.3 · LOD 0.0167 · LOQ 0.05	PASS

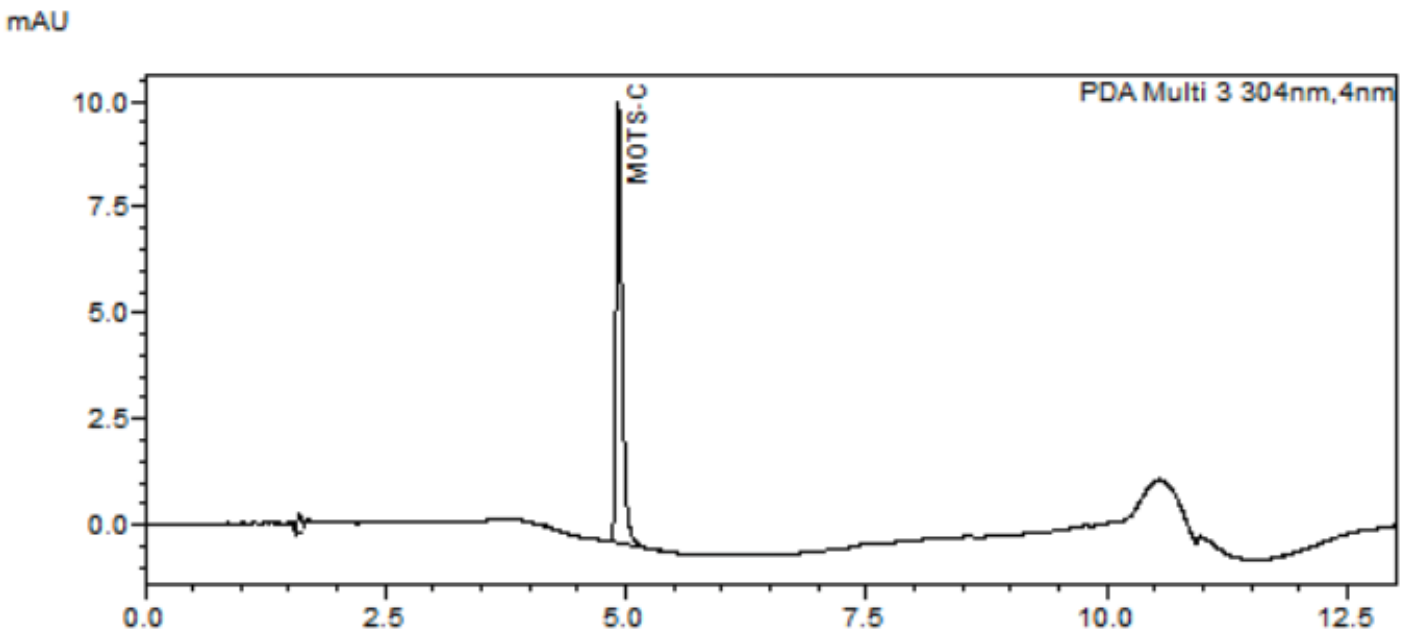
RESIDUAL SOLVENTS

METHOD Headspace GC-MS

Tested on the API lot

ANALYTE	RESULT	UNIT	LIMIT	STATUS
Acetone	< LOQ	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Acetonitrile	24.9	ppm	≤ 410 · LOD 0.33 · LOQ 1	PASS
Benzene	Not Detected	ppm	≤ 2 · LOD 0.33 · LOQ 1	PASS
Butane	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Chloroform	Not Detected	ppm	≤ 60 · LOD 0.33 · LOQ 1	PASS
1,2-Dichloroethane	Not Detected	ppm	≤ 5 · LOD 0.33 · LOQ 1	PASS
Ethanol	1.97	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Ethyl Acetate	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Ethyl Ether	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Ethylene Oxide	Not Detected	ppm	≤ 1 · LOD 0.33 · LOQ 1	PASS
Heptane	Not Detected	ppm	≤ 290 · LOD 0.33 · LOQ 1	PASS
n-Hexane	Not Detected	ppm	≤ 290 · LOD 0.33 · LOQ 1	PASS
Isopropyl Alcohol	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Methanol	Not Detected	ppm	≤ 3000 · LOD 0.33 · LOQ 1	PASS
Methylene Chloride	Not Detected	ppm	≤ 600 · LOD 0.33 · LOQ 1	PASS
Pentane	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Propane	Not Detected	ppm	≤ 5000 · LOD 0.33 · LOQ 1	PASS
Toluene	Not Detected	ppm	≤ 890 · LOD 0.33 · LOQ 1	PASS
Total Xylenes	Not Detected	ppm	≤ 2170 · LOD 0.33 · LOQ 1	PASS
Trichloroethylene	Not Detected	ppm	≤ 80 · LOD 0.33 · LOQ 1	PASS
DMF	Not Detected	ppm	≤ 880 · LOD 0.33 · LOQ 1	PASS

CHROMATOGRAM



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Analysis performed in accordance with ISO/IEC 17025:2017. Results relate only to the sample as submitted. This certificate may not be reproduced except in full without the written approval of the laboratory. The online copy at the address beside is authoritative: if a printed COA disagrees with it, the online copy governs. Questions: info@phsolutionslab.com · (818) 808-9757.

SCAN TO VERIFY

www.phsolutionslab.com/c/eyJjIjoiMjYwNjI1LTg5OS1OSFMtMSIsInAiOiJOdUx1bWluIiwibCI6Ik5VTC1NT1QxMC0yMDI2MDYxMS0wMSJ9.__xVbYFzSBuTKocxTOD1UC9uff9Lvd9m