

Certificate of Analysis



Client:

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Amino acid sequence (MOTS-C)

Met-Arg-Trp-Gln-Glu-Met-Gly-Ser-Arg-Gln-Arg-Arg-Ala-Ala-Ser-Gly

Sample Identification

Sample Name	MOTS-C 10 mg	Batch Number	MC1020-01	Date Published	12-MAR-2026
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Results for MC1020-01 MOTS-C

Analysis of Peptide Identity, Content and Purity	ResultUnit	Uncertainty	Reporting Limit
MOTS-C Assay <i>Peptide Screening</i>	10.15 mg	[± 0.05]	
MOTS-C Identification by RT <i>Peptide Screening</i>	0.989	[± 0.005]	
MOTS-C Identification by spectrum <i>Peptide Screening</i>	992	[± 10]	
MOTS-C Purity <i>Peptide Screening</i>	99.4 %	[± 0.5]	
Bioburden	ResultUnit	Uncertainty	Reporting Limit
Total Aerobic Microbial Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 1000 △
Total Yeast and Mold Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 100 △
Endotoxin Analysis	ResultUnit	Uncertainty	Reporting Limit
Bacterial Endotoxin <i>USP<85> Bacterial Endotoxin Chromogenic Test</i>	< 0.001 EU/mg		> 0.5 △
Heavy Metals	ResultUnit	Uncertainty	Reporting Limit



Quality Assurance

SIGNED CERTIFICATION

Analysis results relate only to the samples tested.

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Edwin Hoag

Edwin Hoag, MD, PhD

Inspecting QA/QC Manager · Cellgenic Laboratories



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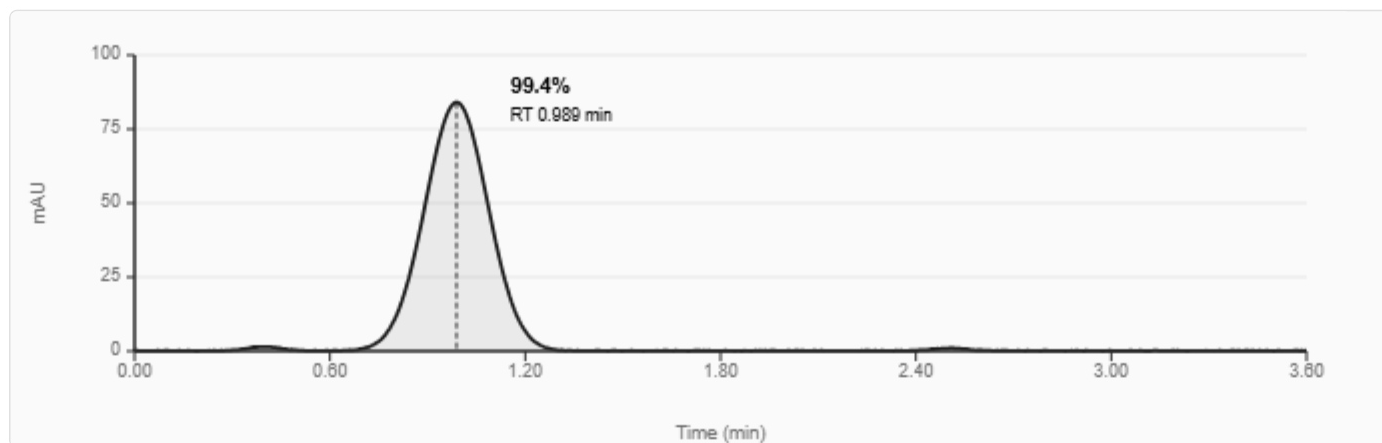
Analysis Dashboard

MOTS-C

• Batch: MC1020-01 • 12-MAR-2026

HPLC Chromatogram

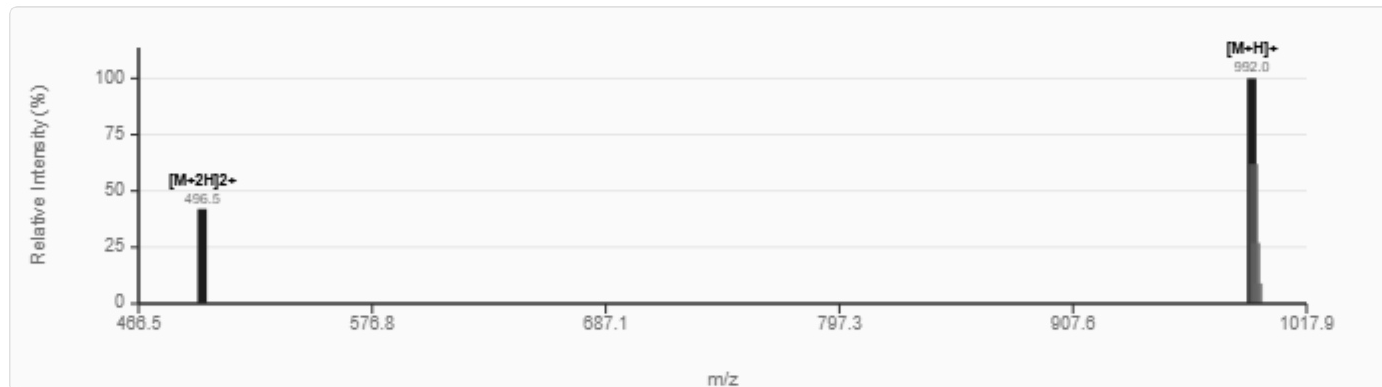
HIGH PERFORMANCE LIQUID CHROMATOGRAPHY • PURITY ANALYSIS



Column: C18, 250x4.6 mm, 5µm Mobile phase: H₂O/ACN + 0.1% TFA Detection: UV 220 nm RT: 0.989 min Purity: 99.4%

Mass Spectrum

ELECTROSPRAY IONIZATION MASS SPECTROMETRY • IDENTITY CONFIRMATION



Ionization: ESI+, positive mode Instrument: LC-MS/MS Observed: 992 m/z Identity: Confirmed ✓