



- Summary Report -

Test Product: MOTS-c 20mg	Batch/Lot #: UTMO20061925
Client: Ten23 Labs	Receive Date: 07/07/2025
Description: 3ml Glass Vial (Red Cap w/ Red Crimp)	Exp. Date: N/A

COMPONENT	TEST	SPECIFICATION	RESULT
MOTS-c	Qualitative ID UV/Vis - Absorption	Test sample λmax matches standard between 195.0-225.0nm.	Matches .: Pass
	Purity UV/Vis - Spectroscopic	NLT 98.0% (spectral comparison via correlation coefficient)	99.8% .: Pass
	Quantitative Assay UV/Vis - Beer-Lambert	NLT 95.0% label claim. (C _S = A / ε x d)	21.61mg .: Pass

Discussion:

Sample received sealed and in good condition.
 Tested on a calibrated Jenway 6715 UV/Vis spectrophotometer with new Xe lamp, using a quartz cuvette. System suitability and standard check pass all criteria.
 Sample meets all specifications requested for testing.

Spectrum Mode.....
 Instrument Id: 67xx V1.65.1
 User Name: Generic
 Method: Default Method
 Batch Id: Default Batch
 Wavelength Range: 190.0nm - 600.0nm
 Plot Interval: 0.5nm
 Measurement Mode: Absorbance
 Method Security: Personal
 Auto-Scale: On
 Y-Axis Minimum: -0.3
 Y-Axis Maximum: 3.0
 Baseline: 02:38:35

**MOTSc
TS 20**

Peaks	&	Valleys
214.5, 2.596		216.0, 2.513
222.0, 2.665		

Spectrum Mode.....
 Instrument Id: 67xx V1.65.1
 User Name: Generic
 Method: Default Method
 Batch Id: Default Batch
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**MOTSc
STD**

Peaks	&	Valleys
214.5, 2.499		217.5, 2.434
220.5, 2.467		243.5, 0.244
257.0, 0.387		

Performing Analyst

Initial & Date: 29 January 2026

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