

CERTIFICATE OF ANALYSIS (COA)

Sample received: 04 Oct 2025

COA Issued date: 10 Oct 2025

Web search code : **QC-2025250435**

Product Information

Product Name	MOTS-c
Lot No	250435
Molecular weight	2174.6 g/mol
Appearance	White lyophilized powder
Net Content	5 mg vial
Storage Condition	Stable for 24 months at -20°C. After reconstitution, store at 4°C for 4 weeks

Analytical Methods

Identity: Confirmed via electrospray LC-MS, detecting protonated molecular ion

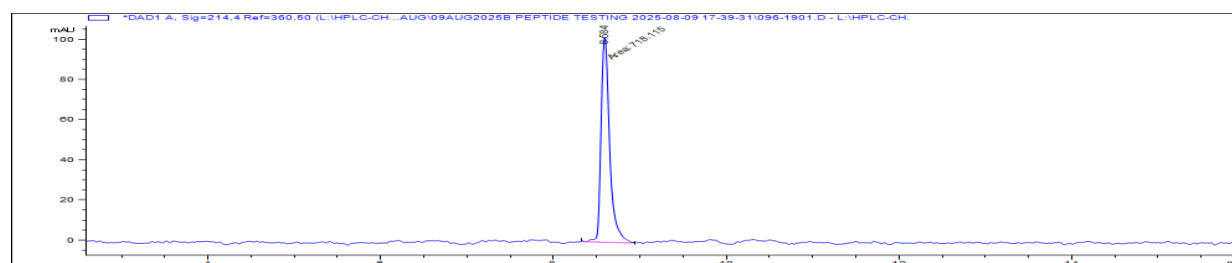
Purity: Assessed using RP-HPLC with UV detection (214 nm)

Content: Quantified using calibrated HPLC peak area against reference standard.

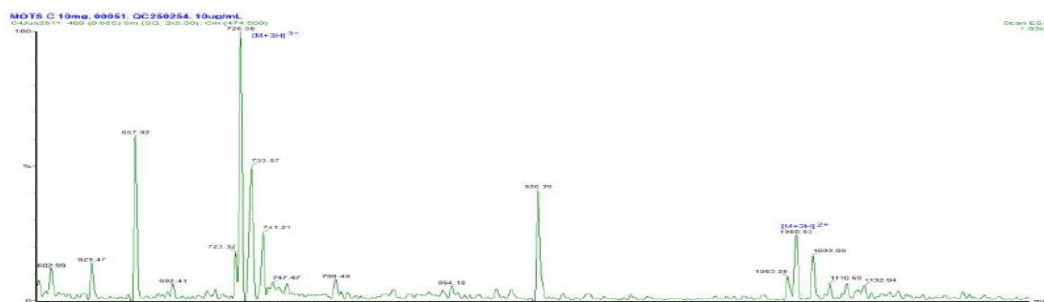
Test Results:

Specification	Result	Method	Status
Identity	(M+2H) ⁺ 1088.26 m/z	LC-MS/MS	Conforms
Content	14.18 mg	HPLC quantitation	Conforms
Purity	99.8%	RP-HPLC (214 nm)	Conforms

High-Performance Liquid Chromatography (HPLC) at 214nm



Mass Identification



Certification: This COA confirms that the tested material meets or exceeds Zyntro's analytical quality specifications for peptide research use.

Shane Straight, M.S. (Principal Chemist, Zyntro LLC). Verification: visit: Zyntro.com/search code