

Lot Number: **FRP-5217772**  
 Client Name: **Freedom Peptides LLC**  
 Identity: **Getfreedompeptides.com**


Received Date: **02/18/2026**  
 Analysis Conducted: **02/28/2026**  
 Searchable via: **horizonanalytical.com**

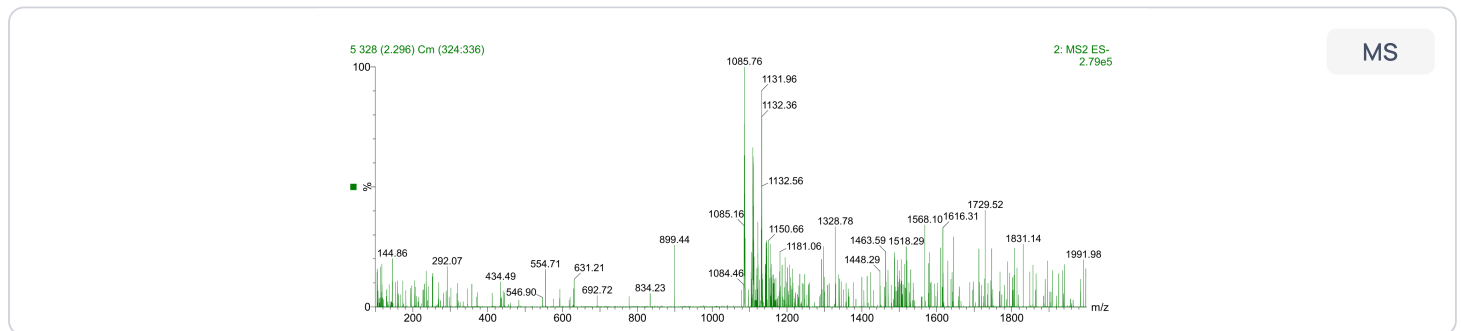
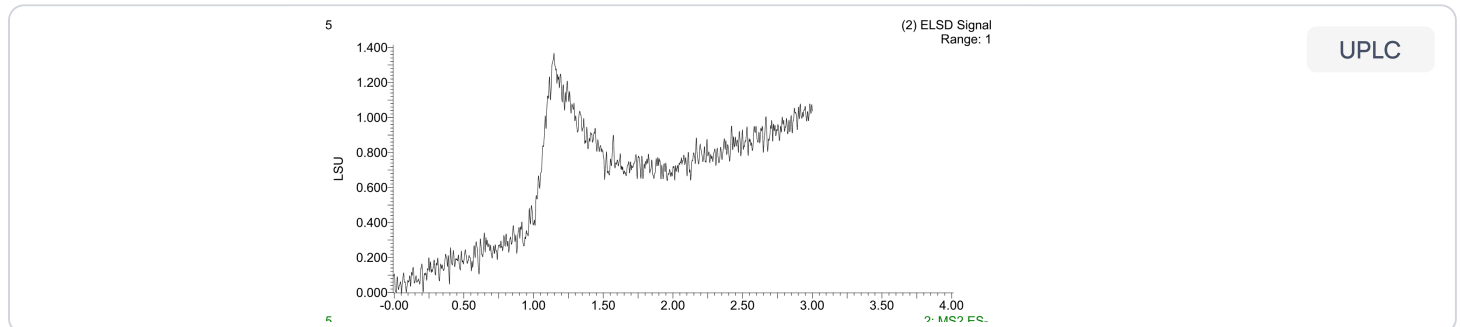
Compound:	MOTS-c
Lot:	FRP-5217772
Appearance:	White Lyophilized Powder

CAS:	1627580-64-6
Formula:	C <sub>101</sub> H <sub>152</sub> N <sub>28</sub> O <sub>22</sub> S <sub>2</sub>
Mol Weight:	~2174.64 g/mol

Pubchem CID: 255386757

Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	MOTS-c	MOTS-c	
Quantity:	10mg	10.52mg	
Purity:	>98%	99.26%	



**Aleksey Yevtodiyyenko PhD**  
 Research and Formulation Chemist

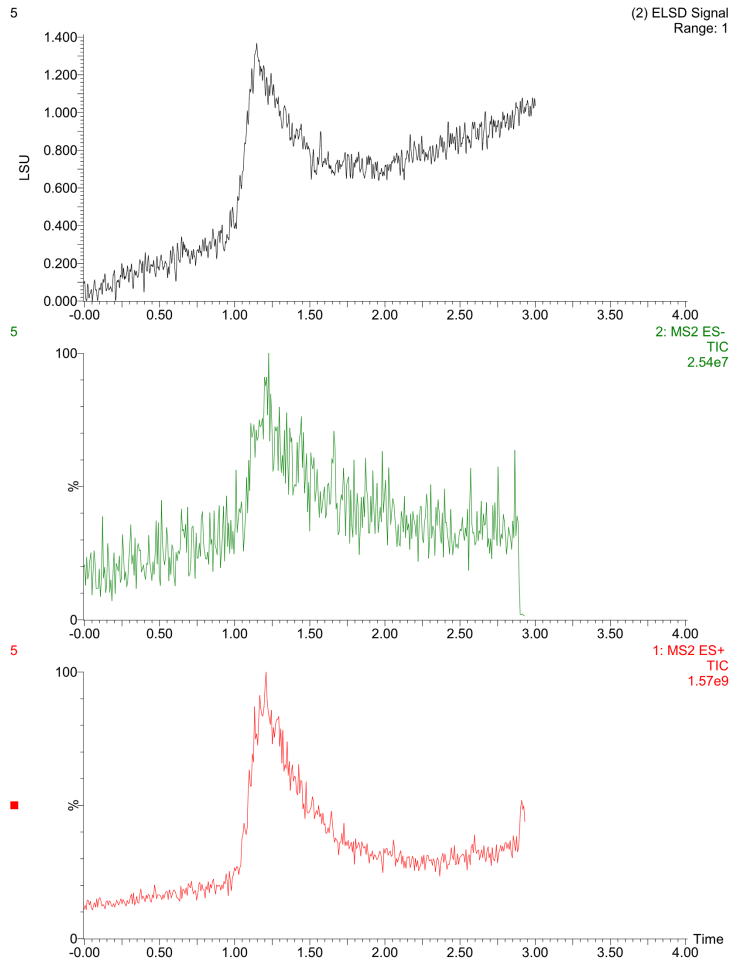


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

Lot Number: FRP-5217772  
 Client Name: Freedom Peptides LLC  
 Identity: Getfreedompeptides.com

Received Date: 02/18/2026  
 Analysis Conducted: 02/28/2026  
 Searchable via: horizonanalytical.com

MOTS-c (10mg) • Pubchem CID: 255386757  
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)

