

Lot Number: **RMP-4275312**  
 Client Name: **Rocky Mountain Peptides**  
 Identity: <https://www.rockymountainpeptides.co/>


Received Date: **02/21/2026**  
 Analysis Conducted: **03/06/2026**  
 Searchable via: [horizonanalytical.com](https://horizonanalytical.com)

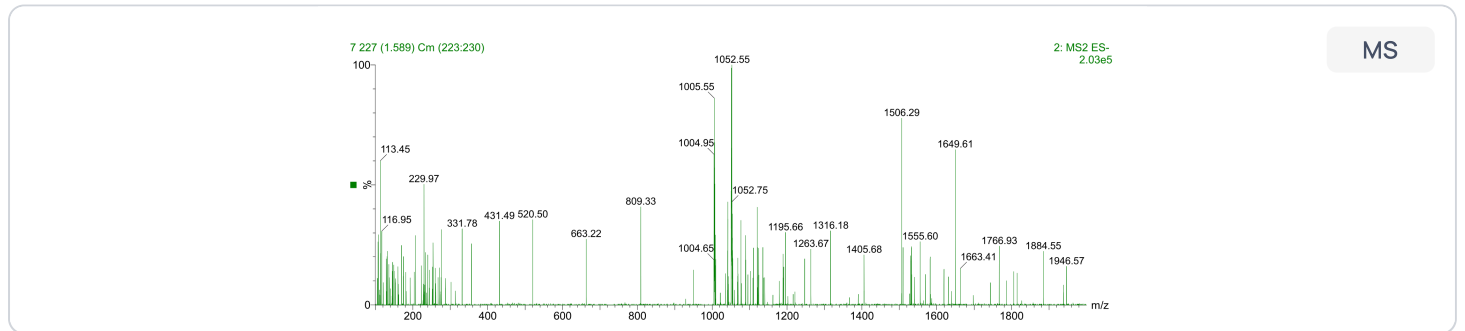
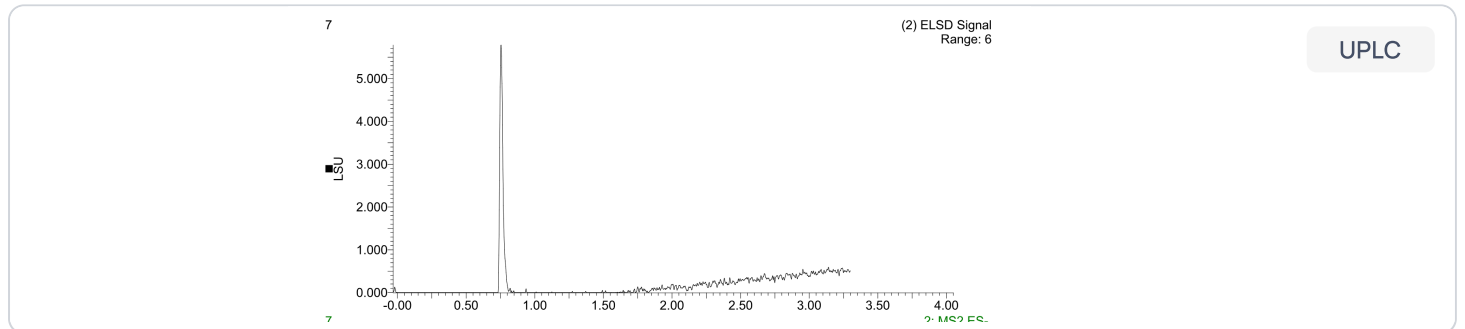
Compound:	Oxytocin
Lot:	RMP-4275312
Appearance:	White Lyophilized Powder

CAS:	50-56-6
Formula:	C <sub>43</sub> H <sub>66</sub> N <sub>12</sub> O <sub>12</sub> S <sub>2</sub>
Mol Weight:	~1007.193 g/mol

Pubchem CID: 439302

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

	Specification	Result	Scan to Validate:
Compound Test:	Oxytocin	Oxytocin	
Quantity:	5mg	4.79mg	
Purity:	>98%	99.41%	



**Aleksey Yevtodiyyenko PhD**  
 Research and Formulation Chemist

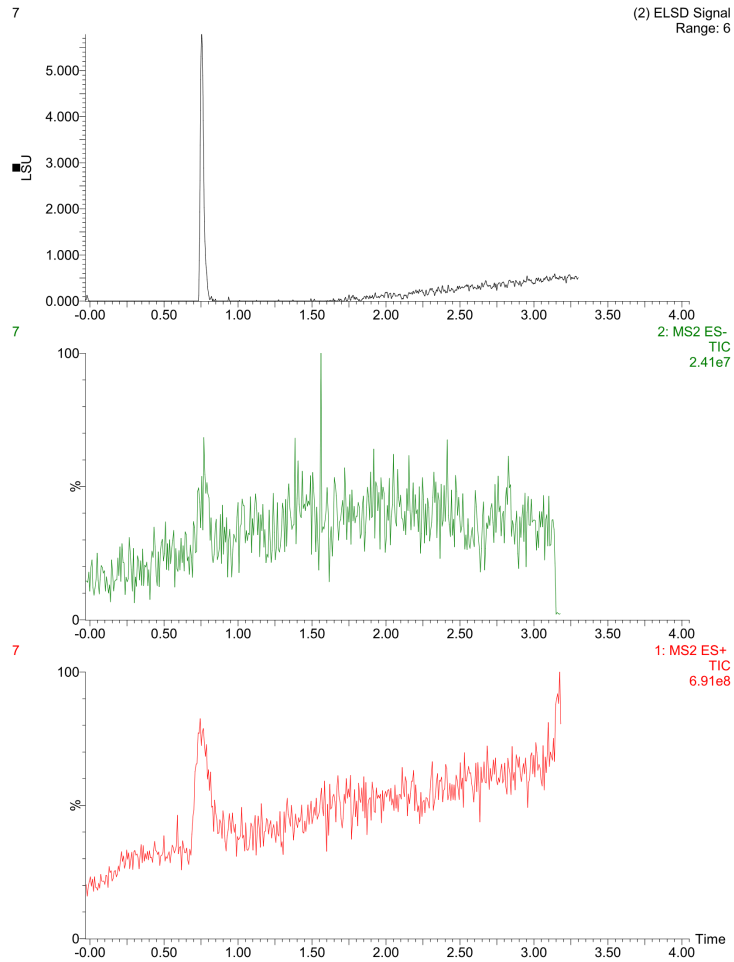


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

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Oxytocin (5mg) • Pubchem CID: 439302  
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)

