

Lot Number: **NXS-4275312**  
 Client Name: **NXS Peptides**  
 Identity: **nxspeptides.com**


Received Date: **02/21/2026**  
 Analysis Conducted: **03/06/2026**  
 Searchable via: **horizonanalytical.com**

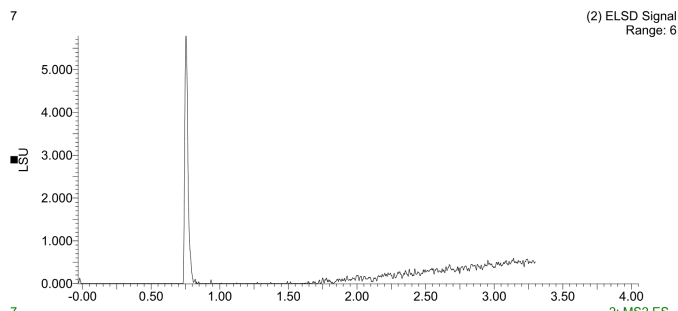
|             |                          |
|-------------|--------------------------|
| Compound:   | Oxytocin                 |
| Lot:        | NXS-4275312              |
| Appearance: | White Lyophilized Powder |

|             |  |
|-------------|--|
| 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  |

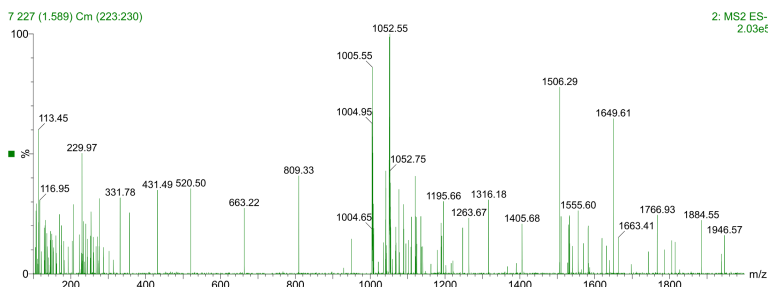
Pubchem CID: 439302

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%   |   |



UPLC



MS

**Aleksey Yevtodiyenko PhD**  
Research and Formulation Chemist

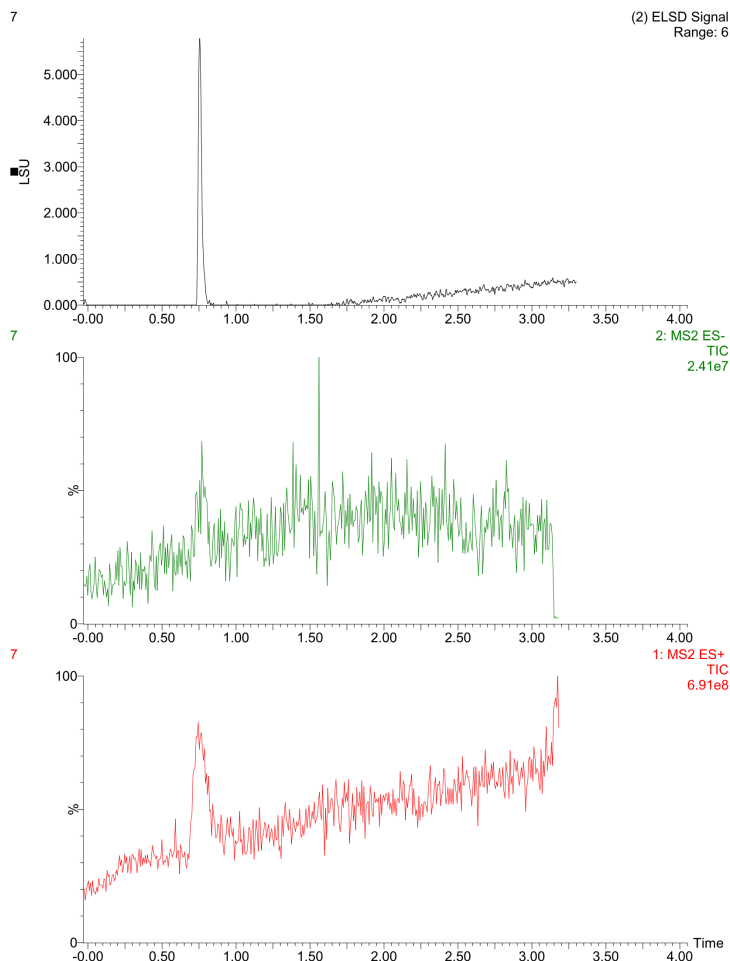


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

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



Mass Spectrometry (MS)

