

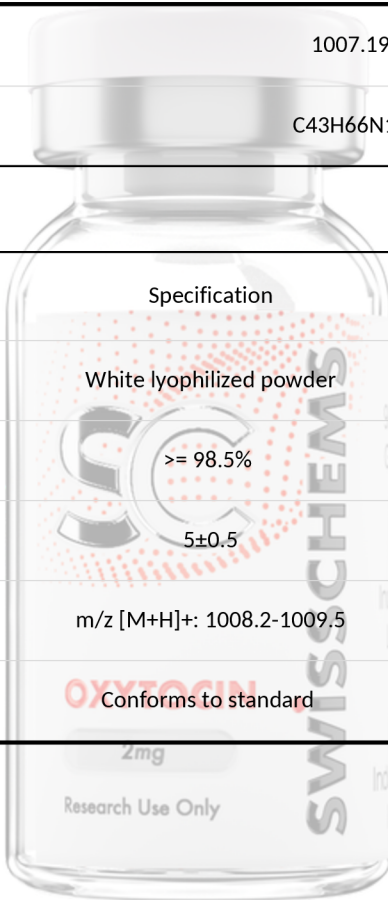
CERTIFICATE OF ANALYSIS

Tested By A US-Certified Laboratory

Sample Name: Oxytocin
Analysis Equipment: LCMSMS-UV (Qtof positive ESI)

Sampling Date: 05/10/2026
Report Date: 05/19/2026

Molecular weight	1007.19 g/mol	
Molecular formula	C43H66N12O12S2	
Test Request	Specification	Result
Appearance	White lyophilized powder	Complies
Peptide Purity by LC (%)	$\geq 98.5\%$	99.1% (TIC) and 99.68% (UV)
Peptide potency (mg/vial)	5 ± 0.5	5.05
Identification by LCMSMS	m/z [M+H] ⁺ : 1008.2-1009.5	m/z: [M+H] ⁺ : 1008.3844
Conclusions	Conforms to standard	Complies



J. Nii

QC Director

Al. Chemis

Analytical Chemist

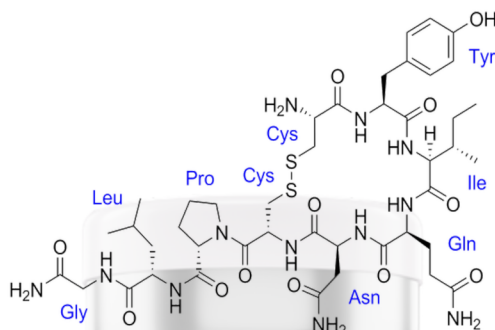


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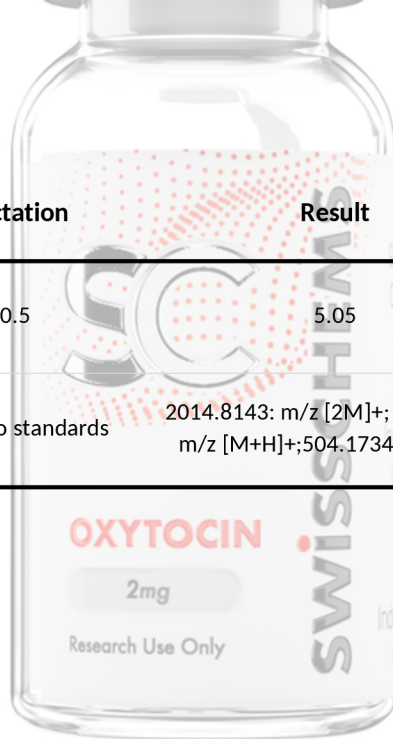
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Structure of Oxytocin



Test	Expectation	Result	Result
Potency (mg/vial)	5±0.5	5.05	HPLC-UV-MS
Identification	Conform to standards	2014.8143: m/z [2M] ⁺ ; 1008.3844: m/z [M+H] ⁺ ; 504.1734 [M+H] ⁺ 2;	LC-MS/MS- positive



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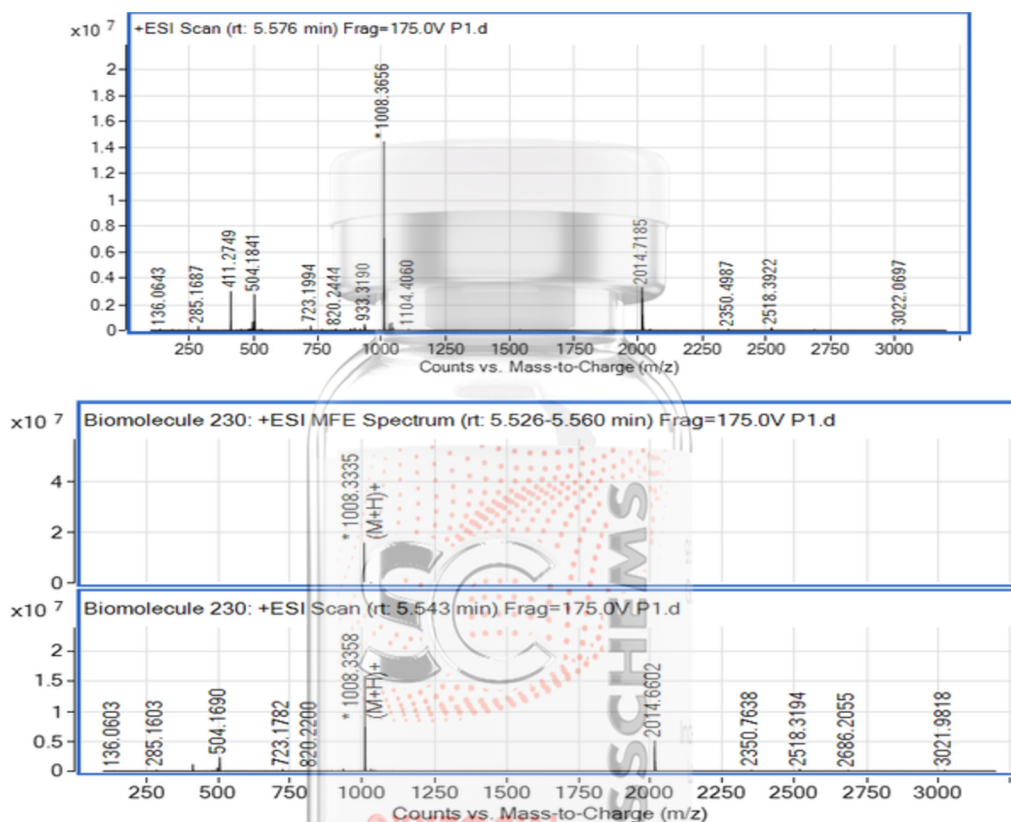


Fig.1. HRMS of Oxytocin

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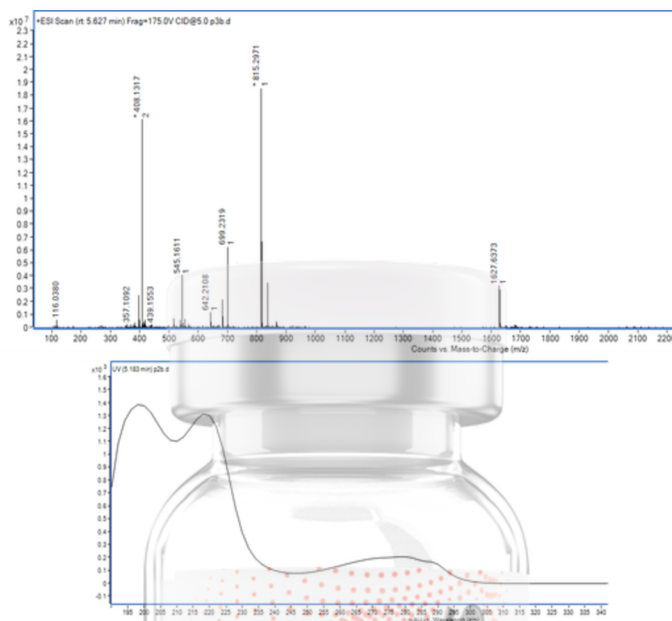


Fig.2. Mass chromatogram and UV scan spectrum of Oxytocin

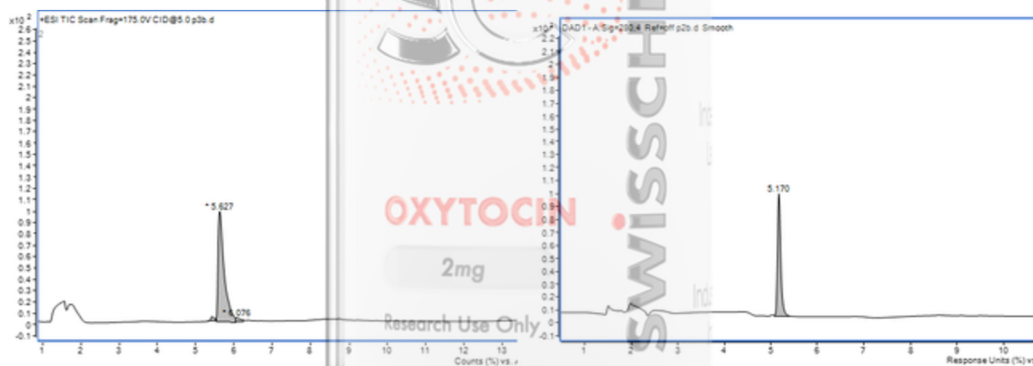


Fig.3. TIC and UV chromatograph of Oxytocin

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