

## Analytical Data Sheet

Lot number **1052915**  
not for drug use

**Catalog number** H-6722.1000  
**Product number** 4065438.1000  
**Product** (Deamino- Cys<sup>1</sup>, D- Tyr(Et)<sup>2</sup>, Thr<sup>4</sup>, Orn<sup>8</sup>) - Oxytocin acetate salt  
3- Mercaptopropionyl- D- Tyr(Et) - Ile- Thr- Asn- Cys- Pro- Orn- Gly- NH<sub>2</sub> acetate salt  
(Disulfide bond)  
**Molecular formula** C<sub>43</sub>H<sub>67</sub>N<sub>11</sub>O<sub>12</sub>S<sub>2</sub>  
**Relative molecular mass** 994.20

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 994.2u (average mass)
Amino acid analysis	Asx 1.0 Ile* 0.8 Gly 1.1 Orn det. Thr 0.9 Cys** det. Pro 1.0 Tyr* 0.5  * Tyr-Ile incomplete hydrolysis **Cys det. as Cys and Cys derivative
Purity (HPLC)	99.4% (TFA)
Assay (elemental analysis)	90.7% (Nth 15.50%, Nfd 14.06%)
Water content (KF coulometric)	3.4%
Acetic acid content (HPLC)	6.1%
Mass balance	100.2%