

Analytical Data Sheet

Lot number **1000002235**
not for drug use

Catalog number H-6722.0250
Product number 4065438.0250
Product (Deamino- Cys¹, D- Tyr(Et)², Thr⁴, Orn⁸) - Oxytocin acetate salt
3- Mercaptopropionyl- D- Tyr(Et) - Ile- Thr- Asn- Cys- Pro- Orn- Gly- NH₂ acetate salt
(Disulfide bond)
Molecular formula C₄₃H₆₇N₁₁O₁₂S₂
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 ₂ derivate
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%

Latest update: June 19, 2018

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