

## Analytical Data Sheet

Lot number **1000030717**  
not for drug use

Catalog number **H-4646.0005**  
Product number **4025365.0005**  
Product **(D- Tyr<sup>5</sup>, D- Trp<sup>6</sup>) - LHRH trifluoroacetate salt**  
Pyr- His- Trp- Ser- D- Tyr- D- Trp- Leu- Arg- Pro- Gly-  
NH<sub>2</sub> trifluoroacetate salt  
Molecular formula **C<sub>64</sub>H<sub>82</sub>N<sub>18</sub>O<sub>13</sub>**  
Relative molecular mass **1311.47**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m= 1310.6u (monoisotopic mass)
Amino acid analysis	Ser det. Glx 1.0 Pro 1.0 Gly 1.0 Leu 1.0 Tyr 0.9 His 0.9 Trp det. Arg 1.0
Purity (HPLC)	97.11% (TFA) 97.20% (NaClO <sub>4</sub> )
Assay (elemental analysis)	81.0% (Nth 19.22%; Nfd 15.57%)
Water content (KF coulometric)	2.8%
Trifluoroacetic acid content (HPLC)	15.45%
Mass balance	99.25%

Latest update: April 01, 2020

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