

## Analytical Data Sheet

Lot number **1000007399**  
not for drug use

**Catalog number** H-5418.0005  
**Product number** 4037082.0005  
**Product** (D- Ser(tBu)<sup>6</sup>, D- Leu<sup>7</sup>, Azagly<sup>10</sup>) - LHRH  
Pyr- His- Trp- Ser- Tyr- D- Ser(tBu) - D- Leu- Arg- Pro-  
Azagly- NH<sub>2</sub>  
**Molecular formula** C<sub>59</sub>H<sub>84</sub>N<sub>18</sub>O<sub>14</sub>  
**Relative molecular mass** 1269.43

| Tests                             | Results  |
|-----------------------------------|--|
| <b>Appearance</b>                 | white powder   |
| <b>Appearance of solution</b>     | clear, colorless solution (1 mg/ml in water)   |
| <b>Identification (ESI-MS)</b>    | m = 1268.6u (average mass)   |
| <b>Identification (ESI-MS/MS)</b> | conforms with sequence   |
| <b>Purity (HPLC)</b>              | 98.2% (TFA)<br>97.6% (TEAP)  |
| <b>Enantiomer content (GC)</b>    | Pro 0.11% D-Enantiomer<br>Leu 0.17% L-Enantiomer<br>Ser 47.4% D-Enantiomer<br>Glu < 0.10% D-Enantiomer<br>Tyr 0.10% D-Enantiomer<br>Arg < 0.10% D-Enantiomer<br>Trp < 0.10% D-Enantiomer<br>His 0.16% D-Enantiomer |
| <b>Assay (elemental analysis)</b> | 78.8% (Nth 19.86 %, Nfd 15.65 %)   |

Latest update: October 17, 2018

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