

## Analytical Data Sheet

Lot number **1000022475**  
not for drug use

**Catalog number** H-4864.0500  
**Product number** 4033077.0500  
**Product** **Ghrelin (human) trifluoroacetate salt**  
H- Gly- Ser- Ser(octanoyl) - Phe- Leu- Ser- Pro- Glu-  
His- Gln- Arg- Val- Gln- Gln- Arg- Lys- Glu- Ser- Lys-  
Lys- Pro- Pro- Ala- Lys- Leu- Gln- Pro- Arg- OH  
trifluoroacetate salt  
**Molecular formula**  $C_{149}H_{249}N_{47}O_{42}$   
**Relative molecular mass** 3370.91

| Tests                            | Results                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance</b>                | white powder                                                                                                                                                                                                   |
| <b>Identification (MALDI-MS)</b> | 3371.24                                                                                                                                                                                                        |
| <b>Amino acid analysis</b>       | Ser* 3.43 (4) Val 0.96 (1) Arg 2.88 (3)<br>Glx 6.03 (6) Leu 1.97 (2)<br>Pro 4.19 (4) Phe 0.98 (1)<br>Gly 0.99 (1) His 0.98 (1)<br>Ala 0.98 (1) Lys 4.04 (4)<br><br>*Partially destroyed during acid hydrolysis |
| <b>Solubility</b>                | soluble in water at 1mg/mL                                                                                                                                                                                     |
| <b>Purity (HPLC)</b>             | 95.2%                                                                                                                                                                                                          |
| <b>Assay (AAA)</b>               | 84.3%                                                                                                                                                                                                          |

Latest update: September 30, 2019

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