

## Analytical Data Sheet

Lot number **1000003316**  
not for drug use

**Catalog number** H-7378.1000  
**Product number** 4084346.1000  
**Product** **Hepcidin- 24 (human) trifluoroacetate salt**  
H- Thr- His- Phe- Pro- Ile- Cys- Ile- Phe- Cys- Cys- Gly-  
Cys- Cys- His- Arg- Ser- Lys- Cys- Gly- Met- Cys- Cys-  
Lys- Thr- OH trifluoroacetate salt  
(Disulfide bonds, air oxidized)  
**Molecular formula**  $C_{109}H_{165}N_{33}O_{28}S_9$   
**Relative molecular mass** 2674.31

| Tests                            | Results   |
|----------------------------------|---|
| <b>Appearance</b>                | white powder  |
| <b>Identification (MALDI-MS)</b> | 2674.87   |
| <b>Amino acid analysis</b>       | Thr 2.08 (2) Met 1.02 (1) Arg 1.08 (1)<br>Ser 0.98 (1) Ile 1.57 (2)<br>Pro** 4.48 (1) Phe 1.71 (2)<br>Gly 2.30 (2) His 2.13 (2)<br>Cys* 0.24 (8) Lys 2.21 (2)<br><br>*Partially destroyed during acid hydrolysis<br>**Proline value high due to the incorporation of cysteine |
| <b>Solubility</b>                | soluble in 0.1% TFA in water  |
| <b>Purity (HPLC)</b>             | >96%  |
| <b>Assay (AAA)</b>               | 84.8%   |

Latest update: July 13, 2018

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