

## Analytical Data Sheet

Lot number **1061584**  
not for drug use

**Catalog number** H-7494.1000  
**Product number** 4072224.1000  
**Product** (D- His<sup>1</sup>) - Exenatide trifluoroacetate salt  
 H- D- His- Gly- Glu- Gly- Thr- Phe- Thr- Ser- Asp- Leu- Ser- Lys- Gln- Met- Glu- Glu- Glu- Ala- Val- Arg- Leu- Phe- Ile- Glu- Trp- Leu- Lys- Asn- Gly- Gly- Pro- Ser- Ser- Gly- Ala- Pro- Pro- Pro- Ser- NH<sub>2</sub> trifluoroacetate salt  
**Molecular formula** C<sub>184</sub>H<sub>282</sub>N<sub>50</sub>O<sub>60</sub>S  
**Relative molecular mass** 4186.63

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	4186.68
<b>Amino acid analysis</b>	Asx 2.10 (2) Gly 5.15 (5) Leu 2.69 (3) Arg 0.97 (1) Thr 1.99 (2) Ala 2.03 (2) Phe 1.74 (2) Ser 4.74 (5) Val 0.87 (1) His 1.06 (1) Glx 6.28 (6) Met* 0.89 (1) Lys 2.13 (2) Pro 4.11 (4) Ile 0.86 (1) Trp* 0.66 (1)  *Partially destroyed during acid hydrolysis
<b>Solubility</b>	soluble in water at 1mg/mL
<b>Purity (HPLC)</b>	95.6%
<b>Assay (elemental analysis)</b>	82.5% (N <sub>th</sub> 16.73%; N <sub>fd</sub> 13.80%)
<b>Water content (KF volumetric)</b>	7.2%
<b>Date of manufacture</b>	September 29, 2015

Latest update: October 14, 2015

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