

## Analytical Data Sheet

Lot number **1074876**  
not for drug use

**Catalog number** H-2214.0001  
**Product number** 4025810.0001  
**Product** (Des- Cys<sup>1</sup>, cyclo(Ser<sup>2</sup>- Asu<sup>7</sup>) ) - Calcitonin (eel) acetate salt  
 Cyclo(- Ser- Asn- Leu- Ser- Thr- Asu) - Val- Leu- Gly- Lys- Leu- Ser- Gln- Glu- Leu- His- Lys- Leu- Gln- Thr- Tyr- Pro- Arg- Thr- Asp- Val- Gly- Ala- Gly- Thr- Pro-NH<sub>2</sub> acetate salt  
**Molecular formula** C<sub>148</sub>H<sub>244</sub>N<sub>42</sub>O<sub>47</sub>  
**Relative molecular mass** 3363.82

Tests	Results								
<b>Appearance</b>	white product								
<b>Identification (ESI-MS)</b>	m = 3363.4u								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.39 %</td> <td>C = 49.32 %</td> </tr> <tr> <td>H = 7.50 %</td> <td>H = 7.31 %</td> </tr> <tr> <td>N = 15.79 %</td> <td>N = 15.86 %</td> </tr> </table> <p>calc. as 2.6 AcOH (4.2 %) x 11.4 H<sub>2</sub>O (5.5 %)</p>	Theory	Found	C = 49.39 %	C = 49.32 %	H = 7.50 %	H = 7.31 %	N = 15.79 %	N = 15.86 %
Theory	Found								
C = 49.39 %	C = 49.32 %								
H = 7.50 %	H = 7.31 %								
N = 15.79 %	N = 15.86 %								
<b>Amino acid analysis</b>	Asx 2.22 (2) Gly 3.17 (3) His 0.91 (1) Thr 3.72 (4) Ala 1.23 (1) Lys 1.74 (2) Ser 2.42 (3) Val 1.69 (2) Arg 1.03 (1) Glx 3.00 (3) Leu 4.83 (5) Pro 2.03 (2) Tyr 1.12 (1)								
<b>Solubility</b>	soluble in acetic acid								
<b>Purity (HPLC)</b>	99.9% (TFA) 99.7% (TEAP) 99.4% (NaClO <sub>4</sub> )								
<b>Assay (elemental analysis)</b>	90.7% (Nth 17.49 %, Nfd 15.86 %)								
<b>Water content (KF volumetric)</b>	5.6%								

Latest update: December 19, 2017

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