

## Analytical Data Sheet

Lot number **1071350**  
not for drug use

**Catalog number** H-1368.5000  
**Product number** 4014447.5000  
**Product** **Amyloid  $\beta$ - Protein (1- 42)**  
 H- Asp- Ala- Glu- Phe- Arg- His- Asp- Ser- Gly- Tyr-  
 Glu- Val- His- His- Gln- Lys- Leu- Val- Phe- Phe- Ala-  
 Glu- Asp- Val- Gly- Ser- Asn- Lys- Gly- Ala- Ile- Ile- Gly-  
 Leu- Met- Val- Gly- Gly- Val- Val- Ile- Ala- OH  
**Molecular formula**  $C_{203}H_{311}N_{55}O_{60}S$   
**Relative molecular mass** 4514.10

Tests	Results
<b>Appearance</b>	white lyophilisate
<b>Appearance of solution</b>	clear, colorless solution (1 mg/mL in 0.1% $NH_4OH$ )
<b>Identification (ESI-MS)</b>	m= 4514.0u (average mass)
<b>Amino acid analysis</b>	Asx 4.0 (4) Arg 1.0 (1) Lys* 2.0 (2) Ser 1.4 (2) Ala 3.7 (4) Ile 2.6 (3) Glx 3.8 (4) Tyr 1.0 (1) Leu 2.0 (2) Gly 5.9 (6) Val 5.2 (6) Phe 3.0 (3) His 3.1 (3) Met 1.1 (1)  Incomplete hydrolysis: Val-Val RT 29.8 min. Ile-Ile, Ala-Ile RT 37 min.  *calculated based by Lys (2)
<b>Purity (HPLC)</b>	97.4% ( $NH_3$ )
<b>Assay (elemental analysis)</b>	95.1% (Nth 17.07%, Nfd 16.24%)
<b>Date of manufacture</b>	January 21, 2015

Latest update: April 24, 2017

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