

## Analytical Data Sheet

Lot number **1000028376**  
not for drug use

**Catalog number** H-1368.1000  
**Product number** 4014447.1000  
**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= 4511.2u (monoisotopic mass)
<b>Amino acid analysis</b>	Asx 3.6 (4) Arg 1.0 (1) Lys 2.0 (2) Ser 1.5 (2) Ala 3.8 (4) Ile 2.4 (3) Glx 3.7 (4) Tyr 0.9 (1) Leu 2.0 (2) Gly 6.2 (6) Val 5.8 (6) Phe 3.0 (3) His 3.1 (3) Met 1.0 (1)  Incomplete hydrolysis: Ile-Ile, Ala-Ile RT 36.9 min.  calculated based on Leu (2)
<b>Purity (HPLC)</b>	97.3% (Spez. $NH_4OH$ )
<b>Assay (elemental analysis)</b>	95.1% (Nth 17.07%, Nfd 16.24%)

Latest update: February 25, 2020

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