

## Analytical Data Sheet

Lot number **1070219**  
not for drug use

**Catalog number** H-7404.1000  
**Product number** 4089802.1000  
**Product** **Amyloid β- Protein (1- 42) sodium salt**  
 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 sodium  
 salt  
**Molecular formula** C<sub>203</sub>H<sub>311</sub>N<sub>55</sub>O<sub>60</sub>S  
**Relative molecular mass** 4514.10

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	turbid solution (1 mg/mL in HFIP)
<b>Identification (MALDI-MS)</b>	4513.83
<b>Amino acid analysis</b>	Asx 4.07 (4) Val** 4.78 (6) Phe 2.92 (3) Ser* 1.62 (2) Met* 0.51 (1) His 2.88 (3) Glx 3.59 (4) Ile^ 2.04 (3) Lys 2.16 (2) Gly 6.13 (6) Leu 2.02 (2) Arg 0.99 (1) Ala 4.17 (4) Tyr 0.96 (1)  *Partially destroyed during acid hydrolysis **Valine value low due to the resistance of the Val-Val, Val-Ile and Val-His bonds to acid hydrolysis ^Isoleucine value low due to the resistance of the Val-Ile and Ile-Ile bonds to acid hydrolysis
<b>Solubility</b>	soluble in water at 1mg/mL
<b>Purity (HPLC)</b>	92.1%
<b>Assay (AAA)</b>	98.2%

Latest update: December 04, 2017

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