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**Certificate of Analysis**

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Product Name:  $\beta$ -Melanocyte Stimulating Hormone (MSH), human TFA (Beta-MSH (1-22) (human) (TFA))  
Cat. No.: GC34394  
Batch No.: 1  
Chemical Name:

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.:  
Molecular Formula:  $C_{120}H_{175}F_3N_{34}O_{37}S$   
Molecular Weight: 2774.94  
Storage: Store at  $-20^{\circ}C$   
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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