

**CERTIFICATE OF ANALYSIS**

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| <b>Product Name</b>         | [Nle <sup>4</sup> , D-Phe <sup>7</sup> ]- $\alpha$ -Melanocyte Stimulating Hormone<br>(MSH), amide |
| <b>Cat No</b>               | RP10658  |
| <b>Lot No.</b>              | PE5511610  |
| <b>Sequence</b>             | Ac-SYS{NLE}EH{d-PHE}RWGKPV-NH <sub>2</sub>   |
| <b>Modification</b>         | AcNH <sub>2</sub>  |
| <b>Length</b>               | 13AA   |
| <b>Size</b>                 | 1mg  |
| <b>Storage</b>              | -20°C  |
| <b>Recommended Solvent*</b> | Ultrapure water  |
| <b>comments</b>             | TFA salt   |

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| <b>Test Items</b>       | <b>Specifications</b>    | <b>Results</b> |
|-------------------------|--------------------------|----------------|
| <b>Molecular Weight</b> | Theoretical MW: 1647.00  | Consistent     |
| <b>HPLC purity</b>      | ≥95.0%                   | ≥95.0%         |
| <b>Appearance</b>       | White lyophilized powder | Conforms       |

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\*Note: Above recommended solvents for reference only. If there is any request for detailed dissolution conditions, we suggest you choose our 'Peptide Solubility Test Service'.

**Caution:**

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

  
Certified by: Date: 11-04-2016  
Peptide Production Director

Thank you for your patronage to our Peptide services! To maintain this working

relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by **1,000 EZcoupon™** points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com)