



## CERTIFICATE OF ANALYSIS

### SAMPLE INFORMATION

|                              |                                                                                                                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>          | BPC-157 5mg with TB-500 5mg                                                                                                                                                                                                                                 |
| <b>Client Name/Lot No.</b>   | AvivaAmino / Lot# N/A                                                                                                                                                                                                                                       |
| <b>Sequence</b>              | BPC-157: Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Va<br>TB500: Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-LysPhe-A sp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-ThrGln-Glu-Lys-Asn-Pro Leu-Pro-Ser-Lys-Glu-Thr-IleGlu-Gln-Glu-Lys-Gl n-Ala-Gly-Glu-Ser |
| <b>Dissolution condition</b> | 100% H2O                                                                                                                                                                                                                                                    |
| <b>Length</b>                | BPC-157: 15AA TB500: 43AA                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b>      | BPC-157: 1419.53 g/mol TB500: 4963.4g/mol                                                                                                                                                                                                                   |

### TEST RESULTS

|                   | Specifications                        | Results | Results            |
|-------------------|---------------------------------------|---------|--------------------|
| <b>Strength</b>   | BPC-157: 5.00 mg<br>TB500: 5.00 mg    |         | 6.44 mg<br>5.95 mg |
| <b>Appearance</b> | White to off-white lyophilized powder |         | Conforms           |
| <b>Purity</b>     | ≥98.0%                                |         | 99.7%              |
| <b>pH value</b>   | 6.0-8.0                               |         | 7.0                |
| <b>Impurity</b>   | Single Impurity ≤1.0%                 |         | 0.2%               |
|                   | Total Impurity ≤2.0%                  |         | 0.3%               |

### TEST PARAMETERS

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| <b>Pump A</b>                 | 0.1% trifluoroacetic in 100% water                 |
| <b>Pump B</b>                 | 0.1% trifluoroacetic in 100% acetonitrile          |
| <b>Total Flow</b>             | 1.0ml/min                                          |
| <b>Wavelength</b>             | 214nm                                              |
| <b>Analytical Column Type</b> | Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm) |
| <b>Dissolution Method</b>     | 100% H2O                                           |
| <b>Injection Volume</b>       | 30uL                                               |

### CONCLUSION

One 3ml vial contained a white to off-white lyophilized powder and has a blue flip off cap with a silver crimp.

The samples were analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% BPC-157 (6.44 mg) and TB-500 (5.95 mg) and the rest are impurities of minor significance.

### CERTIFIED BY:

*FY Analytics*

Forever Young Analytics  
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**\*\*Verify the validity of test results by contacting [support@fyanalytics.com](mailto:support@fyanalytics.com)\*\***