

Current Batch Certificate of Analysis

RESEARCH USE ONLY

Public batch: PEP260708-BPC5

Certificate of Analysis

|                                |                                                                                                                                          |             |                         |             |                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|-------------|----------------|
| 品 名                            | Product                                                                                                                                  | BPC-157     | 批 号                     | Batch       | PEP260708-BPC5 |
| CAS                            | No.                                                                                                                                      | 137525-51-0 | 数 量                     | Quantity    | 5mg            |
| 生产日期                           | Mfg Date                                                                                                                                 | 2026-07-08  | 复检期                     | Retest Date | 2028-07-07     |
| 检验日期                           | Test Date                                                                                                                                | 2026-07-15  | 标 准                     | Standard    | In house       |
| 包装形式                           | 3ML 西林瓶冻干粉包装                                                                                                                             |             |                         |             |                |
| Packaging                      | 3ML vial lyophilized powder                                                                                                              |             |                         |             |                |
| TestItem                       | AcceptanceCriteria                                                                                                                       |             | TestResult              |             |                |
| 检测项目                           | 可接受标准                                                                                                                                    |             | 检验结果                    |             |                |
| Appearance                     | White powder                                                                                                                             |             | White powder            |             |                |
| 性状                             | 白色粉末                                                                                                                                     |             | 白色粉末                    |             |                |
| Solubility                     | Soluble or freely soluble in water                                                                                                       |             | freely soluble in water |             |                |
| 溶解度                            | 在水中溶解或易溶                                                                                                                                 |             | 易溶于水                    |             |                |
| Average Molecular Weight       | 1419.5±1.0 Da                                                                                                                            |             | 1418.5 Da               |             |                |
| 平均分子量                          |                                                                                                                                          |             |                         |             |                |
| Chromatographic Identification | The retention time of the main peak of Sample Solution should be consistent with that of the Standard solution, as obtained in the Assay |             | Meet the requirement    |             |                |
| 色谱鉴别                           | 在含量测定项下记录的色谱图中，供试品溶液主峰的保留时间应与对照品溶液主峰的保留时间一致                                                                                              |             | 符合规定                    |             |                |
| PH                             | 4.5 – 6.0                                                                                                                                |             | 5.3                     |             |                |
| Clarity and Color of Solution  | Clarity: Clear transparent solution, free from turbidity, precipitate and insoluble particles.                                           |             | Colour:Colorless, clear |             |                |
| 溶液的澄清度与颜色                      | 应澄清无色                                                                                                                                    |             | 符合要求                    |             |                |
| Chromatographic Purity         | NLT98.0%                                                                                                                                 |             | 99.43%                  |             |                |
| 色谱纯度                           | 不小于98.0%                                                                                                                                 |             |                         |             |                |
| Related Substances             | Maximum unknown single impurity NMT 0.5%                                                                                                 |             | 0.19%                   |             |                |
| 有关物质                           | 最大未知单杂不得过0.5%                                                                                                                            |             |                         |             |                |
| High Molecular Weight Proteins | NMT0.8%                                                                                                                                  |             | 0.12%                   |             |                |
| 高分子蛋白质                         |                                                                                                                                          |             |                         |             |                |
| Water Content                  | NMT 5%                                                                                                                                   |             | 0.23%                   |             |                |
| 水分                             |                                                                                                                                          |             |                         |             |                |

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| Packaging                        | 3ML vial lyophilized powder                                               |             |     |                               |                |
| TestItem                         | AcceptanceCriteria                                                        |             |     | TestResult                    |                |
| 检测项目                             | 可接受标准                                                                     |             |     | 检验结果                          |                |
| Heavy Metals 重金属                 | NMT 10ppm                                                                 |             |     | 均未检出 ND                       |                |
| Residual Solvents<br>残留溶剂        | Methanol NMT 3000ppm<br>甲醇不得过 3000ppm                                     |             |     | 112ppm                        |                |
|                                  | Acetonitrile NMT 410ppm<br>乙腈不得过 410ppm                                   |             |     | 73ppm                         |                |
|                                  | Dichloromethane NMT 600ppm                                                |             |     | 35ppm                         |                |
|                                  | N,N-Dimethylformamide NMT 880ppm<br>N,N-二甲基甲酰胺不得过 880ppm                  |             |     | 68ppm                         |                |
|                                  | Total Aerobic Microbial Count NMT100 cfu/g<br>需氧菌总数应不得过 100cfu/g          |             |     | Meet the requirement<br>符合要求  |                |
| Bacterial<br>Endotoxins<br>细菌内毒素 | <5EU/mg                                                                   |             |     | Meet the requirements<br>符合要求 |                |
| Peptide Content<br>肽含量           | 95. 0%~105. 0%(On Anhydrous and Sodium Free)<br>95. 0%~105. 0%(以无水、无钠离子计) |             |     | 99. 85%                       |                |
| Assay<br>含量                      | 4. 75~5. 25mg                                                             |             |     | 4. 99mg                       |                |
| Conclusion<br>结论                 | Meets specification                                                       |             |     |                               |                |