

# Certificate of Analysis

|               |                                                                                                                                                                                      |                   |                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product       | CJC1295(withoutDAC) 5mg+IPA 5mg                                                                                                                                                      | CAS No. :         | 863288-34-0 (CJC1295)<br>852-61-9 (IPA)                                                                                                              |
| Product No. : | CJC1295-IPA-10MG                                                                                                                                                                     | Molecular Formula | C <sub>142</sub> H <sub>233</sub> N <sub>45</sub> O <sub>42</sub> S (CJC1295)<br>C <sub>11</sub> H <sub>15</sub> N <sub>5</sub> O <sub>2</sub> (IPA) |
| Sequence      | His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Glu-Glu-Gln-Lys-NH <sub>2</sub><br>( Disulfide bond: Cys <sub>2</sub> -Cys <sub>12</sub> )<br>IPA: H-Arg-Arg-Pro-Arg-NH <sub>2</sub> |                   |                                                                                                                                                      |
| Batch No.     | CJC1295-IPA-10MG-260601                                                                                                                                                              | Quantity          | CJC1295(withoutDAC) 5mg<br>IPA 5mg                                                                                                                   |
| Mfg. Date     | May 26th, 2026                                                                                                                                                                       | Retest Date       | May 25th, 2028                                                                                                                                       |

| 【 ITEMS 】                                                         | 【 SPECIFICATIONS 】                                                                                                                                           | 【 RESULTS 】                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Appearance                                                        | White or almost white lyophilized powder                                                                                                                     | White lyophilized powder                                           |
| Solubility                                                        | Freely soluble in water                                                                                                                                      | Conforms                                                           |
| Solution clarity and color                                        | Clear and colorless                                                                                                                                          | Conforms                                                           |
| Specific optical rotation [ $\alpha$ ] <sub>D</sub> <sup>20</sup> | -20.0° to -30.0° (CJC1295)<br>-10.0° to -20.0° (IPA)                                                                                                         | -24.3° (CJC1295)<br>-15.2° (IPA)                                   |
| Identification by HPLC                                            | The retention time of the principal peak of the test solution corresponds to that of the reference solution, as obtained in the Assay.                       | Conforms                                                           |
| Mass spectrum                                                     | 4172.0±2.0 (CJC1295)<br>685.4±1.0 (IPA)                                                                                                                      | 4171.5 (CJC1295)<br>685.1 (IPA)                                    |
| pH                                                                | 6.5~8.5                                                                                                                                                      | 7.1                                                                |
| Water content(KF)                                                 | NMT 8.0%                                                                                                                                                     | 3.2%                                                               |
| Acid group ions                                                   | Trifluoroacetate ion NMT 0.5%<br>Acetate ion NMT 0.5%                                                                                                        | N.D<br>N.D                                                         |
| Related substances(HPLC)                                          | Any individual impurity: NMT 0.5%<br>Total impurities: NMT 2.0%                                                                                              | 0.16%<br>0.58%                                                     |
| Purity(HPLC)                                                      | NLT 98.0% (CJC1295)<br>NLT 98.0% (IPA)                                                                                                                       | 99.35% (CJC1295)<br>99.22% (IPA)                                   |
| Sodium ion                                                        | 1.0~2.0%                                                                                                                                                     | 1.2%                                                               |
| High molecular protein                                            | NMT 0.5%                                                                                                                                                     | N.D                                                                |
| Amino acid content (CJC1295)                                      | His: 1.0~2.0<br>Ala: 1.0~2.0<br>Glu: 3.0~5.0<br>Gly: 1.0~2.0<br>Thr: 2.0~3.0<br>Phe: 1.0~3.0<br>Ser: 2.0~3.0<br>Asp: 1.0~2.0<br>Leu: 1.0~2.0<br>Lys: 2.0~3.0 | 1.3<br>1.2<br>4.1<br>1.4<br>2.5<br>1.3<br>2.4<br>1.2<br>1.3<br>2.3 |
| Amino acid content (IPA)                                          | Arg: 2.0~3.0<br>Pro: 0.5~1.5                                                                                                                                 | 2.4<br>0.9                                                         |
|                                                                   | AEEA: Should be detected                                                                                                                                     | Conforms                                                           |

|                      |                                                                                                                    |                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Residual solvent     | Methylene chloride NMT 600ppm<br>Acetonitrile NMT 410ppm<br>Methyl tert-butyl ether NMT 5000 ppm<br>DMF NMT 880ppm | N.D<br>42ppm<br>N.D<br>N.D       |
| Peptide content      | NLT 90.0% (CJC1295)<br>NLT 90.0% (IPA)                                                                             | 91.2% (CJC1295)<br>91.0% (IPA)   |
| Bacterial endotoxins | NMT 10EU/mg                                                                                                        | <3EU/mg                          |
| Microbial limits     | TAMC NMT 100 cfu/g<br>TYMC NMT 100 cfu/g<br>E. Coli: Absent                                                        | <20 cfu/g<br><20 cfu/g<br>Absent |
| Assay(CJC1295 & IPA) | 95.0%~105.0%(Calculated with reference to the anhydrous and sodium ion-free substance.)                            | 99.3% (CJC1295)<br>99.1% (IPA)   |
| Storage              | Keep in tight container, protect from light, store at a temperature of -20±5°C.                                    |                                  |
| Report               | Li peng                                                                                                            | Date 2026.06.03                  |
| Reviewer             | Fang Hui Liao                                                                                                      | Date 2026.06.03                  |

**Conclusion:** This batch of product complies with Enterprise Standards.  
It is only supplied as chemical product.  
It is only for R&D use.

Testing Organization:  
Shanghai High Purity Peptide Biotechnology Co., Ltd.  
上海高纯肽生物科技有限公司

