



| Certificate of Analysis |                                                  |             |                 |
|-------------------------|--------------------------------------------------|-------------|-----------------|
| Product                 | GHK-Cu                                           | CAS No.     | 89030-95-5      |
| Product No.             | LJGHK-001                                        | Batch No.   | LJCJC2026071801 |
| Date of Mfg             | 2026/07/18                                       | Retest Date | 2028/07/17      |
| Test Method             | In-house                                         | Quantity    | 14.6kg          |
| Storage Conditions      | Protected from light, sealed, store at -20℃ ± 5℃ |             |                 |

| Test                 | Acceptance Criteria                                                                                                                           | Results      |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Appearance           | Light blue to blue crystalline granules or powder                                                                                             | Conforms     |
| Identification       | The retention time of the major peak of the Sample Solution should correspond to that of Standard Solution, as obtained in Related substances | Conforms     |
| GHK content          | 60.0-80.0%                                                                                                                                    | 73.10%       |
| Copper content       | 10.0-16.0%                                                                                                                                    | 11.7%        |
| Chloride content     | 6.5-8.5%                                                                                                                                      | 7.9%         |
| Peptide content      | ≥70.0%                                                                                                                                        | 70.9%        |
| Purity               | ≥98.0%                                                                                                                                        | 99.66%       |
| Water content        | ≤10.0%                                                                                                                                        | 7.8%         |
| Trifluoroacetic acid | ≤0.5%                                                                                                                                         | Not detected |
| Heavy Metals         | Heavy metals≤10ppm                                                                                                                            | Conforms     |
|                      | Pb ≤ 2.0 ppm                                                                                                                                  | Conforms     |
|                      | As ≤ 2.0ppm                                                                                                                                   | Conforms     |
|                      | Hg ≤ 1.0ppm                                                                                                                                   | Conforms     |
|                      | Cd ≤ 5.0ppm                                                                                                                                   | Conforms     |

|                     |                                                                                                                 |          |
|---------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| Residual Solvents   | Methanol $\leq$ 0.3%                                                                                            | ND       |
|                     | MeCN $\leq$ 0.041%                                                                                              | ND       |
|                     | DCM $\leq$ 0.06%                                                                                                | ND       |
|                     | MTBE $\leq$ 0.5%                                                                                                | ND       |
| Microbial Limit     | TAMC $\leq$ 1000cfu/g                                                                                           | Conforms |
|                     | TYMC $\leq$ 100cfu/g                                                                                            | Conforms |
|                     | Thermotolerant Escherichia coli: Not Detected                                                                   | Conforms |
|                     | Staphylococcus aureus: Not Detected                                                                             | Conforms |
|                     | Pseudomonas aeruginosa : Not Detected                                                                           | Conforms |
| Bacterial Endotoxin | $\leq$ 10EU/mg                                                                                                  | Conforms |
| Solubility          | Freely soluble in water                                                                                         | Conforms |
| Conclusion          | <input checked="" type="checkbox"/> Meet the requirements <input type="checkbox"/> Do not meet the requirements |          |
| Remark              | It is only supplied as chemical product.<br>It is only for R&D use.                                             |          |

Reporter/Date: 张浩 2026/07/21

Approver/Date: 刘辉 2026/07/21

