

# Certificate of Analysis

|                                                                                 |                           |
|---------------------------------------------------------------------------------|---------------------------|
| Klow80                                                                          | CAS: 72401-53-2           |
| Product No.:801294                                                              | Batch No.: 26031605       |
| Date ofMfg:Mar 16, 2026                                                         | Date of Exp: Mar 15, 2028 |
| Sequence:Lys-Pro-Val-Gly-His-Lys-Cu-Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp |                           |



| Test                        | Specification                                                                                                                                                                   | Result                                                                                                                          |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Appearance                  | White or off-white powder                                                                                                                                                       | Conforms                                                                                                                        |
| Solubility                  | Soluble in water and 1% acetate acid                                                                                                                                            | Conforms                                                                                                                        |
| HPLC                        | The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution. | Conforms                                                                                                                        |
| Amino acid analysis         | Lys            0.9-1.1<br>Val            0.9-1.1<br>Pro            0.9-1.1<br>No more than the traces of the other amino acids are present.                                     | Lys            1.0<br>Val            1.0<br>Pro            1.0<br>No more than the traces of the other amino acids are present. |
| MS                          | 342.4 ± 1.0                                                                                                                                                                     | 342.0                                                                                                                           |
| Related Substances          | Unspecified impurity<br>for each impurity: NMT1.0%                                                                                                                              | 0.67%                                                                                                                           |
| Purity(HPLC)                | NLT 98%                                                                                                                                                                         | 99.3%                                                                                                                           |
| Acetic acid                 | NMT 30.0%                                                                                                                                                                       | 14.3%                                                                                                                           |
| Water Content(Karl Fischer) | NMT 7.0%                                                                                                                                                                        | 5.3%                                                                                                                            |
| Assay                       | 95.0%-105.0%<br>(anhydrous and acetic acid free substance)                                                                                                                      | 99.3%                                                                                                                           |
| Bacterial endotoxins        | Less than 5IU/mg                                                                                                                                                                | Conforms                                                                                                                        |

QUALITY TEST  
16  
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|                                                                      |                                                                                        |                |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------|
| Residual solvent                                                     |                                                                                        |                |
| Dichloromethane                                                      | NMT 600 ppm                                                                            | N.D            |
| Acetonitrile                                                         | NMT 410 ppm                                                                            | 143ppm         |
| N,N-Dimethylformamide                                                | NMT 880 ppm                                                                            | N. D           |
| Methanol                                                             | NMT 3000ppm                                                                            | N.D            |
| Storage                                                              | In an air tight container, protected from light; Short Term:2-8℃ ; Long Term:below-10℃ |                |
| Report                                                               | <i>Lipeng</i>                                                                          | Date 2026.3.16 |
| Reviewer                                                             | <i>Peng Mailei</i>                                                                     | Date 2026.3.16 |
| Conclusion: This batch of product complies with Enterprise Standard. |                                                                                        |                |

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It is only supplied as chemical product.

It is only for R&D use.