



**Shaanxi LonierHerb Bio-Technology Co., Ltd.**

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V2.01-2021

## Certificate of Analysis

### Product Information

|                |                  |                  |             |
|----------------|------------------|------------------|-------------|
| Product Name   | Beta-Ecdysterone | Report Number    | BEP20220131 |
| CAS No.        | 5289-74-7        | Manufacture Date | 2022/01/06  |
| Batch Number   | BEP220106        | Analysis Date    | 2022/01/11  |
| Batch Quantity | 100Kg            | Expiry Date      | 2024/01/05  |

| Test Items | Specifications | Result | Test Methods |
|------------|----------------|--------|--------------|
|------------|----------------|--------|--------------|

### Active Ingredients

|       |        |        |      |
|-------|--------|--------|------|
| Assay | ≥98.0% | 98.32% | HPLC |
|-------|--------|--------|------|

### Physical & Chemical Data

|                |                               |          |                |
|----------------|-------------------------------|----------|----------------|
| Appearance     | White Powder with Hygroscopic | Conforms | Visual         |
| Odor and Taste | Characteristic                | Conforms | Organoleptic   |
| Identification | Positive                      | Conforms | TLC            |
| Sieve analysis | 90% through 80 mesh           | Conforms | 80 Mesh Screen |
| Loss on Drying | ≤1.0 %                        | 2.52%    | 105°C/2 hrs    |
| Total Ash      | ≤0.5%                         | 0.45%    | GB 5009.4-2016 |

### Contaminants

|              |           |          |        |
|--------------|-----------|----------|--------|
| Lead (Pb)    | <1.0mg/kg | Conforms | ICP-MS |
| Arsenic (As) | <1.0mg/kg | Conforms | ICP-MS |
| Cadmium (Cd) | <1.0mg/kg | Conforms | ICP-MS |
| Mercury (Hg) | <0.1mg/kg | Conforms | ICP-MS |

### Microbiological

|                       |            |          |            |
|-----------------------|------------|----------|------------|
| Total Aerobic Count   | ≤1000cfu/g | 205cfu/g | GB 4789.2  |
| Yeast & Moulds        | ≤100cfu/g  | 20cfu/g  | GB 4789.15 |
| E-Coli                | Negative   | Conforms | GB 4789.3  |
| Salmonella            | Negative   | Conforms | GB 4789.4  |
| Staphylococcus Aureus | Negative   | Conforms | GB 4789.10 |

### Conclusion

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Conclusion | To be complied with in-house Specification                          |
| Shelf Life | 2 years when properly stored.                                       |
| Storage    | Store in cool & dry place, not freeze. Keep away from strong light. |

**Remarks:** This product is natural, the color vary from batch to batch.

Tested by: 张丽娜

Checker: 李明

Approved:

