



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

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## Certificate of Analysis

| Product Information                 |                                                                     |                  |
|-------------------------------------|---------------------------------------------------------------------|------------------|
| Product Name                        | Pinellia Tuber Extract Powder                                       | Report Number    |
| Botanical Name                      | Pinellia ternate                                                    | Manufacture Date |
| Used Part                           | Tuber                                                               | Analysis Date    |
| Batch Number                        | PTP220401                                                           | Report Date      |
| Batch Quantity                      | 500Kg                                                               | Expiry Date      |
| Test Items                          | Specifications                                                      | Result           |
| <b>Active Ingredients</b>           |                                                                     |                  |
| Extract Ratio                       | 15:1                                                                | Conforms         |
| <b>Physical &amp; Chemical Data</b> |                                                                     |                  |
| Appearance                          | Brown Yellow Fine Powder                                            | Conforms         |
| Odor and Taste                      | Characteristic                                                      | Conforms         |
| Sieve analysis                      | 90% through 80 mesh                                                 | Conforms         |
| Loss on Drying                      | ≤5.0 %                                                              | 2.78%            |
| Total Ash                           | ≤5.0 %                                                              | 0.43%            |
| Bulk Density                        | 40~60 g/100mL                                                       | 49.1g/100mL      |
| Tap Density                         | 50~80g/100mL                                                        | 52.8g/100mL      |
| <b>Contaminants</b>                 |                                                                     |                  |
| Lead (Pb)                           | <3.0mg/kg                                                           | Conforms         |
| Arsenic (As)                        | <2.0mg/kg                                                           | Conforms         |
| Cadmium (Cd)                        | <1.0mg/kg                                                           | Conforms         |
| Mercury (Hg)                        | <0.1mg/kg                                                           | Conforms         |
| <b>Microbiological</b>              |                                                                     |                  |
| Total Aerobic Count                 | ≤1000cfu/g                                                          | 180cfu/g         |
| Yeast & Moulds                      | ≤100cfu/g                                                           | 30cfu/g          |
| E-Coli                              | Negative                                                            | Conforms         |
| Salmonella                          | Negative                                                            | Conforms         |
| Staphylococcus Aureus               | Negative                                                            | Conforms         |
| <b>Conclusion</b>                   |                                                                     |                  |
| Conclusion                          | To be complied with in-house Specification                          |                  |
| Shelf Life                          | 3 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: 张丽娟

Checker: 李明

Approved: