



## Certificate of Analysis

### Pine Pollen Powder

| General Information        |   |                         |            |
|----------------------------|---|-------------------------|------------|
| Plant Origin               | Pinus massoniana Lamb.  | Representative QTY      | 500kg      |
| Production Batch #         | YS-20170322   | Produce date            | 2017-03-22 |
| Analysis Date              | 2017-03-23  | Report Date             | 2017-03-30 |
| Item                       | Specification   | Method                  | Result     |
| Physical Property          |   |                         |            |
| Appearance                 | Fine Powder   | Organoleptic            | Conforms   |
| Color                      | Light Yellow  | Organoleptic            | Conforms   |
| Odour                      | Characteristic  | Organoleptic            | Conforms   |
| Mesh Size                  | 100% through 80 mesh size   | USP32<786>              | Conforms   |
| General Analysis           |   |                         |            |
| Identification             | Identical to sample   |                         | Conforms   |
| Assay                      | Cell-wallbroken rate $\geq 99\%$  |                         | Conforms   |
| Loss on Drying             | $\leq 5.0\%$  | Eur.Ph.6.0[2.8.17]      | Conforms   |
| Ash                        | $\leq 5.0\%$  | Eur.Ph.6.0[2.4.16]      | Conforms   |
| Contaminants               |   |                         |            |
| Solvents Residue           | Meet Eur.Ph6.0<5.4>   | Eur.Ph 6.0<2.4.24>      | Conforms   |
| Pesticides Residue         | Meet USP32<561>   | USP32<561>              | Conforms   |
| Lead(Pb)                   | $\leq 1.0\text{mg}/\text{kg}$   | Eur.Ph6.0<2.2.58>ICP-MS | Conforms   |
| Arsenic(As)                | $\leq 1.0\text{mg}/\text{kg}$   | Eur.Ph6.0<2.2.58>ICP-MS | Conforms   |
| Cadmium(Cd)                | $\leq 1.0\text{mg}/\text{kg}$   | Eur.Ph6.0<2.2.58>ICP-MS | Conforms   |
| Mercury(Hg)                | $\leq 1.0\text{mg}/\text{kg}$   | Eur.Ph6.0<2.2.58>ICP-MS | Conforms   |
| Microbiological            |   |                         |            |
| Total Plate Count          | $\leq 1000\text{cfu}/\text{g}$  | USP30<61>               | Conforms   |
| Yeast & Mold               | $\leq 100\text{cfu}/\text{g}$   | USP30<61>               | Conforms   |
| E.Coli.                    | Negative  | USP30<62>               | Conforms   |
| Salmonella                 | Negative  | USP30<62>               | Conforms   |
| <b>Shelf Life</b>          | 3 Years under the conditions below, no antioxidant used   |                         |            |
| <b>Package&amp;Storage</b> | Standard packed in fiber-drum and two plastic bags inside<br>Small packing with double plastic valve bag inside and Aluminum foil bag outside.<br>Store in a cool,dry place away from Moisture, Light, Oxygen |                         |            |

