



Certificate of Analysis

Product information

Product name **Silk Powder**
Country of Origin: **P.R. China**

| Analysis item | Specification | Result | Analysis test method |
|---------------------------------|--|--------------------------|-----------------------------|
| Assay | 14% Nitrogen | 14.50% | |
| Organoleptic properties | | | |
| Appearance ¹ | Fine White powder | Conform to specification | Visual |
| Taste | Typical to botanical | Conform to specification | Gustatory |
| Odor | Typical to botanical | Conform to specification | Olfactory |
| Physical properties | | | |
| Sieve analysis | 200 | Conform to specification | Mesh screen or equivalent |
| Moisture content | ≤5% | 3.40% | IR balance or equivalent |
| Ash | ≤5% | 2.70% | 2g/525°C/5hrs or equivalent |
| Heavy metals² | | | |
| Arsenic (As) | ≤ 1 ppm | Conform to specification | AA or equivalent |
| Cadmium (Cd) | ≤ 1 ppm | Conform to specification | AA or equivalent |
| Lead (Pb) | ≤ 3 ppm | Conform to specification | AA or equivalent |
| Mercury (Hg) | ≤ 0.1 ppm | Conform to specification | AA or equivalent |
| Total heavy metals | ≤ 10 ppm | Conform to specification | Colorimetry or equivalent |
| Microbiology | | | |
| Total plate count | ≤10000cfu/g | Conform to specification | AOAC or equivalent |
| Yeasts & Molds | ≤1000cfu/g | Conform to specification | AOAC or equivalent |
| Salmonella | Absent/10g | Conform to specification | AOAC or equivalent |
| E.Coli | Absent/1g | Conform to specification | AOAC or equivalent |
| Sterilization method | High Temperature & High Pressure Short time (5" - 10") | | |
| Identification | Positive | Conform to specification | TLC |
| Additional information | | | |