

## Certificate of Analysis

**Product Name:** Organic Shiitake Extract

**Botanical name:** Lentinus edodes

**Batch Number:** YZKE05220414

**Manufacture Date:** 2022-04-14

**Expired Date:** 2025-04-13

### General Information

**Part Used:** Fruiting body

**Country of Origin:** China

**Extraction Process:** Hot water extraction

| ITEMS                                    | SPECIFICATION                            | RESULTS     | METHODOLOGY                                  |
|--|--|-------------|--|
| <b>Physical &amp; Chemical Character</b> |  |             |  |
| <b>Appearance</b>                        | Light Yellow-Yellow Brown<br>Fine Powder | Complies    | Sensory                                      |
| <b>Odour</b>                             | Characteristic                           | Complies    | Organoleptic                                 |
| <b>Taste</b>                             | Characteristic                           | Complies    | Organoleptic                                 |
| <b>Analytical Quality</b>                |  |             |  |
| <b>Identification</b>                    | Identical to Sample                      | Identical   | HPTLC  |
| <b>Polysaccharides</b>                   | >30%                                     | 37.81%      | CP2015-UV                                    |
| <b>Particle size</b>                     | 100 % through 80 mesh                    | Complies    | Sieve test                                   |
| <b>Moisture</b>                          | <7%                                      | 4.17%       | AOAC 935.29                                  |
| <b>Total Ash</b>                         | <9%                                      | 4.96%       | GB 5009.4                                    |
| <b>Tapped Density</b>                    | >0.35g/cc                                | 0.60g/cc    | USP616                                       |
| <b>Contaminants</b>                      |  |             |  |
| <b>Lead (Pb)</b>                         | <2.0 mg/kg                               | 0.06mg/kg   | AOAC 984.27 ICP/MS                           |
| <b>Arsenic (As)</b>                      | <1.0 mg/kg                               | 0.111mg/kg  | AOAC 984.27 ICP/MS                           |
| <b>Cadmium (Cd)</b>                      | <1.0 mg/kg                               | 0.015mg/kg  | AOAC 984.27 ICP/MS                           |
| <b>Mercury (Hg)</b>                      | <0.1 mg/kg                               | <0.005mg/kg | AOAC 984.27 ICP/MS                           |
| <b>Pesticides</b>                        |  |             |  |
|  | <LOQ(0.01 mg/kg)                         | Complies    | BS EN 12393:2013(GC)<br>BS EN 15662:2018(LC) |
| <b>Microbiological</b>                   |  |             |  |
| <b>Total Plate Count</b>                 | <10,000 cfu/g                            | 40cfu/g     | AOAC 990.12                                  |
| <b>Yeast &amp; Mold</b>                  | <100 cfu/g                               | <10cfu/g    | AOAC 997.02                                  |
| <b>E.Coli.</b>                           | Negative                                 | Negative    | AOAC 991.14                                  |
| <b>Salmonella</b>                        | Negative                                 | Negative    | GB 29921                                     |
| <b>Staphylococcus</b>                    | Negative                                 | Negative    | GB 29921                                     |