

## CERTIFICATE OF ANALYSIS

**Product Name: Organic Spirulina Tablet**

| Testing Item                          | Specification          | Test Result            | Test Method                 |
|---------------------------------------|------------------------|------------------------|-----------------------------|
| Appearance                            | Fine Dark Green Powder | Fine Dark Green Powder | Organoleptic                |
| Identification                        | Complied to Standard   | Complied to Standard   | Scientific Method           |
| Particle Size                         | 100% through 80 mesh   | 100% through 80 mesh   | AOAC 973.03                 |
| Moisture                              | ≤8.0%                  | 7.3%                   | GB 5009.3-2010              |
| Ash                                   | ≤10.0%                 | 8.9%                   | GB 5009.4-2010              |
| Chlorophyll                           | 11-14mg/g              | 12.2mg/g               | UV Spectrophotometry        |
| Carotenoid                            | 4.0-5.5mg/g            | 4.3 mg/g               | AOAC 924.04                 |
| Protein                               | ≥60 %                  | 66.5 %                 | GB 5009.5-2010              |
| PCB                                   | Negative               | Conforms               | USP                         |
| Gluten                                | Negative               | Conforms               | USP                         |
| Heavy Metals                          |                        |                        |                             |
| Inorganic arsenic                     | ≤0.5 ppm               | 0.32ppm                | ICP/MS                      |
| Lead                                  | ≤0.5 ppm               | 0.07ppm                | ICP/MS                      |
| Cadmium                               | ≤0.1ppm                | 0.02ppm                | ICP/MS                      |
| Mercury                               | ≤0.1 ppm               | 0.01ppm                | ICP/MS                      |
| Polycyclic Aromatic Hydrocarbons(PAH) |                        |                        |                             |
| PAH                                   | <50PPB                 | 10PPB                  | GS-MS                       |
| Microbiological Test                  |                        |                        |                             |
| Aerobic Plate Count                   | ≤200,000 cfu/g         | 52000cfu/g             | GB 4789.2-2010              |
| Yeast and Mold                        | ≤1000 cfu/g            | 260cfu/g               | FDA BAM 7 <sup>th</sup> ed. |
| Coliform                              | <10 cfu/g              | <10cfu/g               | AOAC 966.24                 |
| <i>E.coli</i>                         | Negative/10g           | Negative               | USP<2022>                   |
| <i>Salmonella</i>                     | Negative/10g           | Negative               | USP<2022>                   |
| <i>Staphylococcus aureus</i>          | Negative/10g           | Negative               | USP<2022>                   |
| <i>Aflatoxins(B1+B2+G1+G2)</i>        | ≤20 ppb                | Conforms               | HPLC                        |
| <i>Aflatoxins B1</i>                  | <5PPB                  | Conforms               | HPLC                        |
| <i>Microcystins</i>                   | <1PPB                  | Conforms               | HPLC                        |

**Regulatory/Labelling:** Non-irradiated, non-GMO, no allergens

**Storage Condition:** Store in tightly closed plastic bag and keep in a cool dry area. Do not freeze. Keep away from strong direct light.

Zhou Xiaodan

Quality Assurance Officer

Lei Jun

Quality Control