KEB® Biotechnology 昶辉生物

**Inner Mongolia Ever Brilliance Biotechnology Co., Ltd.**

**Add:** New Eastern Industrial District, Kailu, Tongliao, Inner Mongolia 028400, China
**Fax:** +86-10-8710 3722 **Tel:** +86-10-8710 3711 **E-mail:**info@kebiotech.com
**Web:** www.kebiotech.com

# Specification Sheet

## Spirulina Powder

| | | |
|---|---|---|
| Item No.: | SL001 | |
| Country of Origin: | P. R. China | |
| Source: | *Arthrospira platensis* | |
| Shelf Life: | Two Years | |
| Sterilization: | Non-Irradiated/Non-ETO/Treat by Heat Only | |
| | | |
| **Test** | **Specification** | **Method** |
| **Identification** | | |
| Protein | ≥ 60% | Kjeldahl |
| Total Carotenoids | ≥ 0.2% | UV-Vis |
| **Physical/Chemical** | | |
| Appearance | Dark green powder | Visual |
| Odor | Characteristic | Organoleptic |
| Powder Size (USP) | ≥ 95% through 80 mesh | USP #80 Sieve |
| Bulk Density | 0.30 – 0.60 g/mL | USP40-NF35<616> |
| Tapped Density | 0.50 – 0.80 g/mL | USP40-NF35<616> |
| Loss on Drying | ≤ 8.0% | USP40-NF35<731> |
| Residue on Ignition | ≤ 8.0% | USP40-NF35<281> |
| Residual Solvent | USP<467> | USP40-NF35<467> |
| Pesticide Residues | USP<561> | USP40-NF35<561> |
| **Heavy Metals** | | |
| Total Heavy Metals | ≤ 10 μg/g | USP40-NF35<231> |
| Arsenic (As) | ≤ 1.0 μg/g | ICP-MS |
| Cadmium (Cd) | ≤ 0.5 μg/g | ICP-MS |
| Lead (Pb) | ≤ 1.0 μg/g | ICP-MS |
| Mercury (Hg) | ≤ 0.5 μg/g | ICP-MS |
| **Microbiology** | | |
| Total Plate Count | ≤ 30,000 cfu/g | USP40-NF35<2021> |
| Molds and Yeasts | ≤ 100 cfu/g | USP40-NF35<2021> |
| *Salmonella* | Absence | USP40-NF35<2022> |
| *E. Coli* | Absence | USP40-NF35<2022> |
| *Staphylococcus aureus* | Absence | USP40-NF35<2022> |

**Quality Approved By:** _____ **Issued Date: 01-01-2018**