

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Spirulina Powder
<b>Botanical Latin Name</b>	Arthrospira platensis
<b>Part Used</b>	Whole algae (powder)
<b>Country of Origin</b>	China
<b>Batch / LOT</b>	YJS20241220
<b>Manufacture Date</b>	2024/12/20
<b>Expire Date</b>	2028/12/19
<b>Issue Date</b>	2025/04/08

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Fine, dark green powder	Complies
Colour	Dark green	Complies
Odor	Proper, without foreign smells	Complies
Taste	Proper, without foreign aftertastes	Complies
Consistency	Loose powder	Complies
Particle size	80 mesh	80 mesh
Moisture	≤ 8%	7.1%
Ash	≤ 8%	6.9%
Chlorophyll	11–14 mg/g	12.3 mg/g
Carotenoids	4–5.5 mg/g	4.2 mg/g
Phycocyanin	12–19%	15%
Microcystin	< 1 ppb	Corresponds
PAH-4	≤ 50 ppb	23 ppb
Aflatoxins (total)	≤ 5 ppb	Corresponds
Pesticides residue	Reg. (EC) 396/2005 + amendments	In conformity
Preservatives	Without preservatives	—

### Heavy Metals

Analysis Item	Specification	Result
Arsenic (As)	≤ 0.5 ppm	0.26 ppm
Lead (Pb)	≤ 1.0 ppm	0.23 ppm
Cadmium (Cd)	≤ 0.1 ppm	0.02 ppm
Mercury (Hg)	≤ 0.1 ppm	0.01 ppm

### Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤ 100,000 CFU/g	66,000 CFU/g
Yeast & Moulds	≤ 300 CFU/g	110 CFU/g
Coliforms	< 10 CFU/g	< 10 CFU/g
E. coli	0 / 10 g	Corresponds
Salmonella	0 / 10 g	Corresponds
Staphylococcus aureus	0 / 10 g	Corresponds

### Nutritional values

Nutrient	in 100 g	per 9 g	%RWS (9 g)
Energy	1630 kJ / 388 kcal	147 kJ / 35 kcal	2%
Fat	7.7 g	0.7 g	1%
of which saturates	2.7 g	0.24 g	1%
Carbohydrates	20.3 g	1.8 g	1%
of which sugar	3.1 g	0.3 g	< 1%
Fibre	3.6 g	0.32 g	—
Protein	57.5 g	5.18 g	10%
Salt*	2.62 g	0.24 g	4%
Iodine	1320 µg	118.8 µg	79%

### General Status

Analysis Item	Specification	Result
GMO	Not present / not produced from GMOs	In conformity
Food irradiation	Not irradiated	In conformity