

PRODUCT SPECIFICATION SHEET

ORGANIC SPIRULINA POWDER

GENERAL INFORMATION

Origin	China
Description	Fine powder produced from Spirulina (Arthrospira Platensis)
Ingredients	Spirulina , no preservatives, processing aides or additives used
Additives	None
HS code :	2102209000

SENSORY CHARACTERISTICS

Appearance	Fine dark green powder
Color	Dark green
Texture	Free flowing powder
Odor	Typical of seaweed, free from off odour
Taste	Tastes like seaweed

BIO-CHEMICAL CHARACTERISTICSTICS

Moisture	≤ 7.0%
Ash	≤ 8.0%
Chlorophyll	11-14 mg/g
Carotenoid	4.0-5.5 mg/g
Crude Phycocyanin	12-19%
Protein	≥ 60%
Aflatoxins	≤ 20 ppb
Sulfites	≤ 10 mg/kg

POLYCYCLIC AROMATIC HYDROCARBONS (PAH/PAK)

PAH	< 10 ppb
Sum of Benz(a)pyrene	< 2 ppb

HEAVY METALS

Lead	≤ 0.5 ppm
Cadmium	≤ 0.5 ppm
Arsenic	≤ 0.1 ppm
Mercury	≤ 0.1 ppm

MICROBIOLOGICAL STANDARDS

Total plate count	≤ 100,000 cfu/g
Coliform count	≤ 10 cfu/g
Yeast and mold	≤ 100 cfu/g
E.coli	≤ 10 cfu/g
Salmonella	Negative/10g
Staphylococcus aureus	Negative/10g
Bacillus cereus	< 500 cfu/g

AMINO ACIDS

Isoleucine	3.26 g/100 g
Leucine	5.63 g/100 g
Methionine	1.43 g/100 g
Phenylalanine	2.65 g/100 g
Tryptophan	1.32 g/100 g
Valine	3.24 g/100 g
Alanine	4.88 g/100 g
Arginine	4.45 g/100 g
Aspartic acid	5.90 g/100 g
Cystine	0.19 g/100 g
Glutamic acid	10.64 g/100 g
Glycine	2.97 g/100 g
Histidine	0.99 g/100 g
Proline	2.39 g/100 g
Serine	2.90 g/100 g
Tyrosine	2.51 g/100 g
Threonine	3.15 g/100 g

VITAMINS

Thiamine (B1)	0.44 mg/100 g
Riboflavin (B2)	0.69 mg/10 g
Niacin (B3)	20.59 mg/100 g
Pyridoxine (B6)	1.84 mg/10 g
Cyanocobalamin (B12)	16 mcg/10 g
Vitamin C	0.14 mg/10 g
Vitamin D	21 IU/10 g
Vitamin K	0.13 mg/10 g
Pantothenic acid	11 mcg/10 g
Folic acid	2.7 mcg/10 g
Inositol	6.4 mg/10 g
Tocopherol	1.3 mg/10 g

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MINERALS

Calcium	270 mg/100 g
Phosphorus	950 mg/100 g
Iron	82.7 mg/100 g
Sodium	700 mg/100 g
Iodine	1800 mcg/100 g
Magnesium	270 mg/100 g
Manganese	4.4 mg/100 g
Zinc	3.324 mg/100 g
Potassium	1040 mcg/100 g
Selenium	0.7 mcg/100 g
Chromium	280 mcg/100 g
Cooper	0.195 mg/100 g
Aluminium	0.21 mg/100 g

PHITOPIGMENTS

Carotenoids	451 mg/100 g
Beta-carotene	165 mg/100 g
Pro Vitamin A	550000 IU/100 g
Chlorophyll	1179 mg/100 g
Chlorophyll-A	865 mg/100 g
Phycocyanin	12.8 %
RNA-Ribonucleic acid	0.3 mg/100 g
DNA-Deoxyribonucleic acid	0.08 mg/100 g
Tar pigment	Negative

DECLARATIONS

Informative	Yes	No
Artificial flavour		√
Genetically modified		√
Suitable for vegans	√	
Suitable for vegetarians	√	

ALLERGENS

Allergens	Present in the product	Present in the Factory (cross contamination)
Cereals containing gluten (*No when gluten content is <20 mg/kg; yes when gluten content is >20 mg/kg)	NO	NO
Crustaceans and products thereof	NO	NO
Eggs and products thereof	NO	NO

NUTRITIONAL AND DIETARY INFORMATION

Nutrition fact	Per 100g
Energy	380 Kcal/1605 kJ
Fat	6.8 g
Saturated fat:	2.7 g
Mono-unsaturated fat:	0.54 g
Poly-unsaturated fat:	2.5 g
Total unsaturated	3.1 g
Omega 3	<0.1 g
Omega 6	2.5 g
Omega 9	0.16
Fatty acids	0.2 g
Trans fatty acids	<0.1 g
Carbohydrates	17.6 g
Sugar ,total:	0.4 g
Glucose	0.3 g
Fructose	<0.1 g
Sucrose	<0.1 g
Lactose	<0.1 g
Maltose	0.1 g
Total dietary fibre:	4.3 g
Protein	60 g
Salt	3.5 g

STORAGE AND SHELF LIFE

Storage	Store in tightly closed plastic bag and keep in a cool dry area. Do not freeze. Keep away from strong direct light
Shelf life	24 months

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Fish and products thereof	NO	NO
Peanuts and products thereof	NO	NO
Soybeans and products thereof	NO	NO
Milk and dairy products (including lactose)	NO	NO
Nuts	NO	NO
Celery and products thereof (including celeriac)	NO	NO
Mustard and products thereof	NO	NO
Sesame seeds and products thereof	NO	NO
Sulphur dioxide and sulphites (*NO at conc >10mg/kg or 10mg/liter expressed as SO ₂)	NO	NO
Lupin and products thereof	NO	NO
Molluscs and products thereof	NO	NO