

SPECIFICATION

Product Name: Chlorella Extract Powder 10:1
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Dark green fine powder
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max.)
Identification	-	Complies	Identical to R.S. sample
Sieve analysis	-	Complies	95% through 80 mesh
Moisture	%	4.21%	<10.0%
Bulk density	g/ml	Complies	40-80 g/100ml
Arsenic	PPM	B.L.Q.	≤1.1 PPM
Cadmium	PPM	B.L.Q.	Max. 1.5 PPM
Lead	PPM	B.L.Q.	≤2.5 PPM
Mercury	PPM	B.L.Q.	≤1.0 PPM
Contaminants			
Aflatoxin B1	ppb	Complies	≤5 ppb
Aflatoxin B2	ppb	Complies	≤2 ppb
Aflatoxin G1	ppb	Complies	≤2 ppb

Aflatoxin G2	ppb	Complies	≤2 ppb
Ethylene oxide	mg/kg	Complies	≤0.01 mg/kg
Pesticide residue	mg/kg	Complies	≤0.01 mg/kg
Microbiological Parameters			
Total plate count	cfu/g	<1000 cfu/g	<10000 cfu/g
Yeast & moulds	cfu/g	<100 cfu/g	<100 cfu/g
Coliform	cfu/g	<10 cfu/g	<10 cfu/g
E. coli	-	Negative	Negative
Salmonella	-	Negative	Negative

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Insoluble in acetone. Insoluble in oils.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
 - Storage Conditions: Store in a cool, dry, and well-ventilated place at 15–25°C. Protect from moisture, excessive humidity, direct sunlight, heat, and contamination. Keep the container tightly closed in the original, properly labeled packaging to prevent moisture absorption and degradation of sensitive nutrients such as chlorophyll and vitamins. Store away from strong odors, strong oxidizing agents, and incompatible materials to maintain product quality, color, potency, and stability.

Applications

- Use: Widely used in nutraceutical, dietary supplement, functional food, and beverage formulations as a natural source of chlorophyll, proteins, vitamins, minerals, amino acids, and antioxidants. It is commonly incorporated into capsules, tablets, powders, sachets, smoothies, health drinks, meal replacement products, and functional foods. Chlorella extract is used to support general nutrition, antioxidant defense, immune health, and overall wellness. It is also used as a natural green coloring ingredient in selected food and supplement formulations.
 - Dosage: Depends on the intended use, formulation, age, and nutritional requirements.

Packaging

- Standard Packing: 25 Kgs woven pp bag with inner liner and 1 Kgs or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.

