

SPECIFICATION

Product: Organic Chlorella Powder (Cell-Wall Broken)

Botanical Name: *Chlorella pyrenoidosa*

Composition: 100% Organic Chlorella

Raw Material: 100% Organic Chlorella (Whole plant)

Extraction Solvent: None (Whole powder)

Packaging: 25 kg/drum

Storage: Store in tightly closed containers, cool and dry. Protect from heat, light and moisture.

Shelf Life: 36 months

Carriers: None

Allergen: None

Test Item	Specifications	Results	Test Methods
Physical/Assay			
Appearance	Fine green powder	Fine green powder	Visual
Particle Size	95% pass 80 mesh	Conforms	Sieve
Protein	$\geq 50.0\%$	51.49%	GB5009.5-2016 (First Method)
Ash	$\leq 8.0\%$	5.70%	GB5009.4-2016 (First Method)
Moisture	$\leq 7.0\%$	4.90%	GB5009.3-2016 (First Method)
Heavy Metals			
Lead (as Pb)	≤ 1.0 mg/kg	0.10 mg/kg	GB 5009.12-2017 (First Method)
Arsenic (as As)	≤ 1.0 mg/kg	0.12 mg/kg	GB/T 5009.11-2014 (First Method)

Technical Data Sheet

			Method)
Cadmium (as Cd)	≤ 0.5 mg/kg	0.02 mg/kg	GB/T 5009.15-2014 (First Method)
Mercury (as Hg)	≤ 0.1 mg/kg	0.01 mg/kg	GB/T 5009.17-2014 (First Method)
Benzopyrene	≤ 5.0 µg/kg	< 5.0 µg/kg	Internal Method, GC-MS
PAH 4*	≤ 25.0 µg/kg	< 25.0 µg/kg	Internal Method, GC-MS
Microbiological			
Aerobic Plate Count	≤ 100,000 cfu/g	12,000 cfu/g	GB 4789.2-2016
Yeast & Mould	≤ 300 cfu/g	20 cfu/g	GB 4789.15-2016
<i>E. coli</i>	Negative/10g	Negative/10g	GB 4789.38-2012 (First Method)
<i>Salmonella</i>	Negative/10g	Negative/10g	GB 4789.4-2016

*PAH 4 = Sum of Benzo[a]pyrene, Chrysene, Benzo[a]anthracene and Benzo[b]fluoranthene

Conclusion: The product complies with the specified standards.