

Bio-Chlorella-Tabletten



Was ist Organic Chlorella Tablets?

Organic Chlorella Tablets are a premium superfood supplement derived from *Chlorella vulgaris*—a single-celled freshwater green microalgae recognized globally for its exceptional nutritional density. Cultivated in controlled, contamination-free environments and processed using advanced broken cell wall technology, these tablets unlock the full nutritional potential of chlorella while preserving its complete spectrum of natural bioactives.

The Science of Broken Cell Wall Technology

Chlorella vulgaris possesses an exceptionally hard cellulose cell wall that significantly limits digestibility in its intact form. ORGANICWAY applies advanced mechanical or high-pressure jet processing to rupture the cell wall, dramatically increasing bioavailability of protein, chlorophyll, vitamins, and minerals. This ensures each gram of biologisch chlorella delivers maximum nutritional impact to the consumer's body.

Exceptional Nutritional Profile

At $\geq 55\%$ protein by dry weight, chlorella is one of the richest plant-based protein sources erhältlich—surpassing most legumes, nuts, and seeds. Its $\geq 3.0\%$ chlorophyll content is among the highest of any known edible plant. The nutritional matrix also includes Vitamin B12, iron, beta-carotene, zinc, magnesium, and a broad spectrum of antioxidants—making chlorella a true whole-food multi-nutrient supplement.

Key Functional Benefits

- **Detoxification Support:** Chlorella's cell wall structure binds to and facilitates removal of heavy metals and environmental toxins naturally
- **Immune System Enhancement:** Rich in antioxidants, beta-glucans, and chlorophyll to support immune resilience
- **Energy & Vitality:** Supports metabolic health, iron-rich for oxygen transport, and B12 for cellular energy
- **Clean Protein Source:** Complete amino acid profile suitable for vegan protein supplementation
- **Convenient Format:** Ready-to-swallow tablets for effortless daily supplementation

Formulation & Sourcing Quality

Grown in closed, contamination-controlled cultivation systems with guaranteed low heavy metal and microbiological levels. Fully compliant with USDA NOP and EU biologisch standards. No binders, fillers, or synthetic additives in zertifiziert biologisch tablet grades.

PHYSICAL & CHEMICAL PROPERTIES

Main Specification Table

Parameter	Spezifikation
Botanical Name	Chlorella vulgaris
Verwendeter Teil	Whole microalgae cell (broken cell wall)

Parameter	Spezifikation
Aussehen	Green, smooth-coated tablet
Taste / Aroma	Mild, characteristic algae aroma
Processing Method	Spray drying + broken cell wall processing
Protein Content	≥55% (dry weight)
Chlorophyll Content	≥3.0%
Moisture Content	≤7.0%
Particle Size (pre-tableting powder)	Fine powder, controlled mesh
Dietary Suitability	Vegan, Gluten-Free, Non-GMO, Organic Certified

Tablet Size Options

Tablet Grade	Weight per Tablet	Typical Application
Standard	250 mg	Starter / children's supplement formulations
Standard	500 mg	General daily supplement
High-Dose	1,000 mg	Clinical / therapeutic protocols
Custom	Upon request	Bespoke formulation requirements

MICROBIOLOGICAL & CONTAMINANT STANDARDS

Test Item	Spezifikation	Testing Method
Total Plate Count	≤100,000 CFU/g	ISO 4833
Yeast & Mold	≤1,000 CFU/g	ISO 21527
Coliforms	≤100 CFU/g	ISO 4831
E. coli	Negative/g	ISO 16649
Salmonella	Negative/25g	ISO 6579
Lead (Pb)	≤0.5 ppm	ICP-MS
Arsenic (As)	≤0.5 ppm	ICP-MS
Cadmium (Cd)	≤0.3 ppm	ICP-MS
Mercury (Hg)	≤0.1 ppm	ICP-MS
Pesticide Residues	Compliant with EU MRL	LC-MS/MS, GC-MS

Note: Low heavy metal and microbiological levels are a guaranteed quality parameter for all ORGANICWAY Organic Chlorella Tablets.

CERTIFICATIONS

Zertifizierung	Status	Issuing Body
USDA Organic (NOP)	✓ Available	USDA NOP
EU Organic	✓ Available	EU 834/2007
Non-GMO	✓ Verified	Third-party lab
Vegan	✓ Verified	Self-declaration
Gluten-Free	✓ Verified	Third-party lab
Kosher	✓ Available	Certified agency
Halal	✓ Available	Certified agency
ISO 22000	✓ Compliant	Bureau Veritas/SGS
HACCP	✓ Compliant	Third-party audit

APPLICATIONS & USAGE GUIDELINES

Primary Application Matrix

Application Category	Form Recommendation	Usage Rate
Dietary Supplements	500mg or 1000mg tablets	1-3g per day (2-6 × 500mg tablets)
Functional Food	Tablets added to protocol packs	1-2g per serving
Energy & Protein Bars	Powder (pre-tableting) blended in	2-5% inclusion
Detox / Green Blends	250mg or 500mg	1-2g per serving
Beverage Boosters	Dissolved powder in tablet base	Per formulation spec
Cosmetics / Skincare	Chlorella extract powder form	Per manufacturer spec

Formulation Guidelines

Daily Dosage Reference

- Typical consumer dosage: **2-6 tablets per day** (500mg tablets = 1-3g total)
- Clinical or intensive detox protocols may use up to **3-6g per day**
- Start with lower dose and increase gradually to assess tolerance

Cell Wall Breaking — Absorption Critical Point

- Always specify **broken cell wall** chlorella for supplement applications
- Intact cell wall chlorella has significantly lower protein and nutrient bioavailability
- ORGANICWAY Organic Chlorella Tablets use broken cell wall processing as standard

Heavy Metal Sequestration Note

- Chlorella naturally binds heavy metals; however this is a structural property
- For detox claims in regulated markets, consult local regulatory guidance
- Batch-specific heavy metal COA erhältlich upon request

Flavor Considerations

- Tablets have characteristic mild algae aroma; this is inherent to the ingredient
- Coated tablet format minimizes flavor impact for consumers
- For sensitive consumers, recommend taking with meals or fruit juice

Stability Notes

Avoid humid storage conditions to prevent tablet degradation

Stable in original sealed packaging (24-36 months shelf life)

Protect from heat, moisture, and direct sunlight

FAQ

Q: What is the typical protein content of the chlorella used in these tablets?

A: The *Chlorella vulgaris* used in ORGANICWAY Organic Chlorella Tablets typically contains **50-60% protein by dry weight**, with our specification guaranteeing a minimum of $\geq 55\%$. This provides one of the richest plant-based protein sources available in supplement form, including a complete amino acid profile suitable for vegan and vegetarian nutrition programs.

Q: Are Organic Chlorella Tablets vegan and gluten-free?

A: Yes. ORGANICWAY Organic Chlorella Tablets are made from 100% *Chlorella vulgaris* microalgae with no animal-derived ingredients or gluten-containing components. They are inherently **vegan and gluten-free**, free from common allergens, and suitable for plant-based, allergy-sensitive, and clean-label supplement formulations.

Q: What is "broken cell wall" chlorella and why does it matter?

A: *Chlorella vulgaris* naturally has an extremely hard cellulose cell wall that the human digestive system cannot efficiently break down. ORGANICWAY applies advanced mechanical grinding or high-pressure jet processing to rupture this cell wall, dramatically enhancing **digestibility and nutrient bioavailability**—allowing the body to fully access the protein, chlorophyll, vitamins, and minerals within each tablet.

Q: What is the shelf life and recommended storage for bulk tablets?

A: ORGANICWAY Organic Chlorella Tablets have a shelf life of **24-36 months** from the production date when stored in a cool, dry place away from direct sunlight and moisture in the original sealed container. Specific bulk storage recommendations are provided with order documentation.

Q: Can you customize tablet size or provide private label services?

A: Yes. We offer flexible tablet sizes of **250mg, 500mg, and 1000mg**, and can discuss private label or custom packaging solutions for bulk orders. Please contact our sales team to explore your specific formulation and branding requirements.

Q: How does chlorella support detoxification?

A: Chlorella's unique cell wall structure—even after breaking for bioavailability—retains the ability to **bind and chelate heavy metals** such as lead, mercury, and cadmium in the digestive tract. This structural

property makes chlorella a popular ingredient in detox, heavy metal cleanse, and liver-support supplement formulations globally.

Q: What is the minimum order quantity and lead time?

A: Our standard bulk packaging is **25kg per fiber drum or carton**. Lead time is **10-20 days** from order confirmation. Free samples are available via FedEx, UPS, or EMS for quality evaluation prior to bulk ordering.

Q: Is this product suitable for use in cosmetic formulations?

A: While the tablets are primarily formulated as dietary supplements, *Chlorella vulgaris* extract—rich in antioxidants, chlorophyll, and amino acids—is widely used in cosmetic and skincare applications. We can supply chlorella in powder or extract form specifically optimized for cosmetic inclusion rates. Please contact us to discuss the appropriate specification for your application.

PACKAGING & STORAGE



Standard Packaging Options

Package Size	Material	Units/Pallet
25 kg	Food-grade fiber drum with PE liner	40 drums/pallet
25 kg	Food-grade carton	40 cartons/pallet
Custom	Foil bag or consumer-pack format	Upon request

Lagerbedingungen

Parameter	Spezifikation
Temperature	Cool, dry place (recommended $\leq 25^{\circ}\text{C}$)
Humidity	Low humidity; avoid moisture
Packaging	Airtight, sealed original container
Haltbarkeit	24-36 months from production date
Light	Protect from direct sunlight

For more information, please visit our website:

<https://de.organic-way.com/produkte/organisches-chlorella-pulver-copy/>