

# TONI-CHLORO

## BOOSTS THE IMMUNE SYSTEM

BIO-Vega's TONI-CHLORO capsules are primarily composed of chlorophyll. Chlorophyll is a surprising nutrient well known and respected as a natural detoxifier and body deodorant. Furthermore, chlorophyll provides a significant quantity of antioxidants to help protect the body's cells against damages caused by free radicals (anticancer property).



Dosage form ..... Vegetable capsule  
 Recommended route of administration ..... Oral  
 NPN ..... # 80074858

### Dosage

Alfalfa (*Medicago sativa*) ..... 250 mg (20:1, QCE\* 5 000 mg)  
 Chlorophyll (*Chlorella vulgaris*) ..... 200 mg  
 \* Equivalent quantity to 5 000 mg



We guarantee our natural health products made in Canada and contain **NO GMOs and NO Pesticides**. Our production processes comply with Health Canada's **Good Manufacturing Practices (GMP) Guidelines**.

### MEDICINAL PROPERTIES

- Antioxidant
- Antibacterial
- Detoxifier
- Laxative
- Alkalinizing
- Anti-cancer
- Nutritional tonic
- Anti-microbial
- Blood purifier
- Deodorant
- Diuretic
- Tonic

### THERAPEUTIC INDICATIONS

#### ● Deodorant

Chlorophyll has the ability to cleanse the body from the inside out, eliminating not just bad breath but general body odor as well. In fact, observational studies dating back to the 1940s and 1950s showed that topical chlorophyllin had deodorizing effects on foul-smelling wounds, which led clinicians to administer chlorophyll orally to patients with colostomies and ileostomies in order to control fecal odor. Indeed, the *PDR for Nutritional Supplements*, a physician's desk reference on nutritional supplements, describes the beneficial attributes of chlorophyll for its potent deodorizing activity, as « *... an aid to reduce odor from a colostomy or ileostomy, and also as an aid to reduce fecal odor due to incontinence.* » The PDR further states that topical chlorophyll can be « *... used to reduce malodors in wounds and surface ulcers.* »

#### ● Detoxification & cancer

Environmental pollutants such as heavy metals can quickly compromise health in myriad ways. Chlorophyll and chlorophyll containing compounds such as alfalfa, binds with heavy metals to hamper their absorption, and research has shown it can do the same with certain carcinogens. Indeed, a crossover study done on human volunteers tested chlorophyll's ability to remove ingested aflatoxin, a known carcinogen. Each volunteer received three servings

of aflatoxin, followed with a meal, the latter two of which included a tablet of chlorophyll. The results showed rapid elimination of the carcinogen, with 95 % evacuated within 24 hours. Another recent study showed that human colon cancer cells undergo cell cycle arrest after treatment with chlorophyllin. This provides a potential new avenue for the use of chlorophyll/chlorophyllin in the clinical setting, sensitizing cancer cells to DNA damaging agents.

#### ● Weight management

Chlorophyll is considered by many as an effective adjunctive tool to help bolster weight loss. Indeed, a study published in the journal *Appetite* in 2013 found that adding chlorophyll-containing compounds to high-fat meals suppressed food intake and weight gain on moderately overweight women. A more recent study, also published in *Appetite*, found that using green-plant membranes (which contain high amounts of chlorophyll) as a dietary supplement induced weight loss, improved obesity-related risk factors, and reduced cravings. These results suggest that chlorophyll can be an effective way to help manage hunger and promote weight loss as part of an overall, comprehensive weight management program.

#### ● Antioxidant protection

Chlorophyll and its derivatives are known for their

powerful antioxidant activity. Indeed, consumption of leafy green vegetables, rich in chlorophyll and chlorophyll derivatives such as chlorophyllin, is associated with reduced risks of certain types of cancers and the onset of various diseases that manifest with aging and are induced by free radicals. Research has in fact shown that chlorophyll and its derivatives exhibit antioxidant activity, at least as potent as that of vitamin C, inhibit lipid peroxidation and protect mitochondria from oxidative damage induced by various free-radicals and other reactive oxygen species.

#### ● Digestive health

Chlorophyll stimulates regular bowel movements, thereby sustaining intestinal health and by extension improving digestion. Indeed, chlorophyll plays an essential role as a natural solution to intestinal complications and helps in rejuvenation of wounded tissues, including those inside the digestive tract. Research in fact, has shown that chlorophyll promotes colon cleansing by lowering cytotoxic effects brought about by dietary heme. It also prevents the production of colonocytes in addition to relieving constipation, gas and flatulence. Finally, more recent research seems to suggest that chlorophyll may also help maintain a healthy intestinal flora.

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### OUR MANUFACTURING METHODS

If all wines are not born equal, the same goes for phytotherapy products. Thus, BIO-Vega products are distinguished by:

- The **care** with which raw materials are selected.
- The **wide variety of plants and natural substances** used in the compositions.
- The **extraction methods** are inspired by both traditional methods and spagyric based on alchemical principles in order to extract the full therapeutic potential of plants. In fact, the substances extracted from the plants are first separated, treated and then combined again to provide an essence containing all the curative elements of the plant, including the trace elements while preserving the whole life force of the plant.

But above all, the great distinction of BIO-Vega products lies in **the exclusivity of its recipes** strongly influenced by the ancient traditions of Chinese as well as Oriental medicine, and in the variety and finesse of the methods of extraction of the active elements of plants and natural substances.

### PLANTS OF TONI-CHLORO

#### ● Chlorophyll

Chlorophyll is an amazing nutrient whose reputation as a potent deodorizer and detoxifier undoubtedly precedes it. In addition, chlorophyll provides tremendous antioxidant potential to protect the body from cellular damage caused by free radicals.

Extracted from *Chlorella vulgaris*, a microscopic freshwater algae, chlorophyll is the molecule that imparts plants and all leafy green vegetables with a rich green color. It is also responsible for channeling the sun's rays into chemical energy for photosynthesis. As a reminder, photosynthesis is the process whereby light is transformed into energy, the source of all plant life. As a large part of the human diet is of plant origin, it would only

### OUR MISSION

**BIO-Vega is a Canadian (Quebec) Natural Health Products company whose mission is to offer high quality natural health products to help you heal yourself and stay naturally healthy.**

follow that photosynthesis would be equally vital to human life. Beyond this, chlorophyll is also an extremely rich source of many minerals, enzymes and other key nutrients that are essential to optimal health.

From a molecular standpoint, chlorophyll is very similar to human blood, however the center atom differentiates the two: in human blood, the center atom is iron, whereas in chlorophyll, it is magnesium. Because of these molecular similarities, studies have shown that chlorophyll stimulates the production of hemoglobin in the blood. In turn, higher amounts of hemoglobin in the bloodstream translates into more oxygen-rich blood; the first and most important element required by cells in order to thrive. It is based on this that chlorophyll has built its solid reputation as a potent blood builder. As a boon, oxygen-rich blood also helps to rid the body of toxins.

Further, because it naturally promotes the movement of bile, chlorophyll helps to cleanse the liver, bowels and intestinal tract and eliminate toxins. As chlorophyll also reduces disease-causing bacteria, it helps to keep the colon clean and healthy, thus bolstering overall immunity and preventing disease.

#### ● Alfalfa

Alfalfa (*Medicago sativa*) is a perennial flowering plant belonging to the pea family, originating in south-central Asia. Boasting a truly outstanding nutritional profile, alfalfa is an excellent source of protein and contains

over 300 nutrients and phytonutrients. It is also rich in vitamins such as beta carotene, vitamins A, B1, B2, B5, B6, C, E and K, as well as is a good source of minerals such as calcium, iron, copper, magnesium, potassium, phosphorus, and sulphur. Alfalfa also provides rich sources of 9 essential amino acids and various bioflavonoids.

Traditionally, alfalfa as a whole was used as a fortifying tonic, while the leaves were used primarily to stimulate appetite, ease indigestion and heal ulcers, and the seeds were mainly used topically as a poultice for wounds, as well to calm various kinds of pain. Alfalfa has also long been recognized as a potent detoxifier to help flush toxins out of the body. Indeed, boasting mild laxative and diuretic properties, alfalfa can help flush toxins from the bowels and urinary tract and alleviate water retention as well as stimulate red blood cell production.

Today, thanks to its rich nutritional profile, alfalfa is prized above all else to help protect the body from free radical damage and prevent the development of degenerative diseases. The combined antioxidant activity of chlorophyll and alfalfa provides exceptional antioxidant protection and helps protect the body from free radical damage for optimal health throughout life. ●



### CONCOMITANT PRODUCTS

Chlorophyll is a wonderful fortifying tonic. It may be paired with a wide variety of other plants and supplements. It in fact, often figures prominently along with burdock, sarsaparilla, dandelion, elderberry, cilantro and mullein in combination formulas for detoxification and cleansing. Chlorophyll also combines exceedingly well with camomile, yarrow, linden, thym and many others phytotherapeutics for digestive support. Finally, chlorophyll is great paired with cayenne, ginseng, cinnamon, black pepper, dandelion, turmeric and ginger to help bolster weight loss.