



## 60 Capsules Bottle



**Provides Essential Vitamins and Minerals - High Nutritional Value - Can Help Prevent and Heal Cancer - Lowers Inflammation - Fights Oxidation - Essential and non-Essential Amino Acids**

**Moringa:** Scientific Name: *Moringa oleifera*



Moringa (*Moringa oleifera*) known as the “Tree of Life” supports natural holistic health. Its nutritional value and curative properties make moringa one of nature’s most gifted botanicals. Most parts of the moringa tree have been used in traditional medicine throughout the world for centuries, with focus on the moringa leaves which we have bio dynamically freeze dried to bring to you their maximum benefit.

The National Science Foundation, National Geographic Society and the Andrew Mellon Foundation have financed a project to collect the world’s 13 Moringa species and “Trees for Life” actively supports moringa cultivation in impoverished areas of the world that face severe malnutrition and starvation.

Ayurveda sites 300 conditions improved or prevented by moringa. Its strong nutritional value supports the contention that moringa provides long lasting energy, increased endurance and mental alertness. It strengthens our bones and enriches our blood. Nutrition along with exercise are the primary tools your body needs for preventative maintenance. Your body can achieve a high level of self-healing and vitality given the right materials.

### **Nutritional Value of Moringa Leaves**

Fresh Moringa Leaves:

4X more beta carotene than carrots. 7X more vitamin C than oranges. 4 X more calcium than milk.

2X more protein than milk or yoghurt. 3X more potassium than bananas. 74% more iron than spinach

## Dried Moringa Leaves (gram for gram)

10X more Vitamin A than carrots. 50% more Vitamin C than oranges. 17 X more calcium than milk.

9X more protein than yoghurt. 15X more potassium than bananas. 25 X more iron than spinach



Moringa leaves contain a full complement of minerals and all the amino acids of meat.

These highly nutritional properties of moringa make it an excellent natural, organic energy and endurance health dietary supplement. Scientific studies have found moringa effective in regulating blood pressure, blood sugar levels, reducing inflammation, and calming the nervous system.

Studies published in the journal of Phytotherapy Research and Hort Science find moringa effective in lowering blood pressure, lowering blood sugar levels, reducing chronic swelling and inflammation, and calming the nervous system. These preliminary results support traditional uses of moringa that have been practiced successfully for centuries.

Moringa is bursting with energy. Moringa trees grow very quickly. When we harvest moringa leaves, they grow back prolifically in a very short period of time. Moringa leaves, once harvested must go into the freeze dry process almost immediately. After only a few hours in a ventilated harvesting bag, the leaves have literally cooked themselves from the heat generated by their own bio-mass. This plant is exploding with life force.

### **REJUVENATIVE POWERS**

Using Moringa as an example, we can make some general comments regarding the importance of raw material specifications, which apply across the board and are particularly well illustrated by Moringa.

The attributes of the plant often reflect in the finished product. In the case of Moringa, the regenerative power of the tree is nothing less than spectacular. After harvesting the tree, the stems and leaves grow back fully in a short period of time.

When we collect Moringa leaves, we use special collection bags with a loose weave to allow air to flow through the bags. Despite this extra effort, a bag full of Moringa leaves gets extremely hot within hours of harvest due to the intense internal heat (energy) released by the leaves. The leaves literally cook themselves from their own internal heat in a matter of hours. This high level of energy apparent in the leaves is present in the finish product.

The logistics of collecting Moringa leaves is quite challenging if the product specifications include only the leaves and the smallest capillary stems that hold the leaves together.

Collecting 300 kilos of Moringa leaves is similar to collecting 300 kilos of small feathers. The low specific weight of Moringa leaves allows TFD to put only 250 kilos of Moringa leaves in our 600 litre product chamber. Given the water content of the fresh leaves at approximately 85%, the result of one production cycle is 37.5 kilos of dried Moringa powder. This low yield of high quality is the primary factor in the cost that we attribute to our dynamic freeze-dried Moringa powder. The advantages of our process are covered in the dynamic freeze-drying product brief.

### **RAW MATERIAL SPECIFICATIONS**

Another part of the cost of our Moringa leaf powder can be attributed to our raw specifications. We process ONLY the leaves and the smallest capillary stems that hold the leaves together. It would be very easy to include the larger stems, oven dry, and mechanically grind the leaves and stems into a fine powder which would be 85% pulp by weight and 15% leaves as a result of the inclusion of stems. This provides a large quantity of powder with a low level of active ingredients.

Our primary concern is the quality and effectiveness of our finished product. We will not take any measures to lower the price by lowering the quality. We will under no circumstances sacrifice quality to obtain lower costs or higher profitability.

The combination of factors including the raw material specifications, harvesting procedures, and transporting product from harvest almost immediately into the Cellular Fraction-Line process provides the natural benefits this amazing herb possesses.

## 4 Ways Moringa Oleifera Can Help Prevent and Heal Cancer

By Charlene Bollinger  
March 18, 2019

Charlene Bollinger is a devoted Christian, happily married wife, joyful mother of 4 beautiful home-educated children, health freedom advocate, and co-founder and CEO of The Truth About Cancer. She is a former model and actress, fitness buff, and lover of healthy food and living. After losing several family members to conventional cancer treatments, Charlene and Ty learned the truth about cancer and the cancer industry, working together tirelessly to help others to learn the truth that sets them free to live healthy, happy lives. Charlene speaks at many conferences and is a guest on various health-related radio shows, helping people discover that cancer does NOT have to be a death sentence. Together, they host a biweekly internet news program: TTAC Global Health News.



There are so many ancient plants and herbs that can have an effect on cancer. It still amazes me that so many of them are still unknown. Moringa (*Moringa oleifera*) is a different story, however. [Moringa](#) is a tree that grows in Latin America, Asia and Africa as well as parts of Oceania, including Micronesia and Polynesia.

It has been used for thousands of years in these areas but over the last decade or so, it has also been studied heavily in the West. It is often called the “miracle tree” because it can be

beneficial on so many levels. The most exciting findings, however, are what this extraordinary plant (used widely in herbal medicine) can do to prevent and fight cancer growth.

In fact, moringa is so powerful; experts mention it multiple times in our upcoming documentary, *Eastern Medicine: Journey through ASIA*.

### #1. Moringa Lowers Inflammation

Ask any integrative or holistic professional and they will tell you: the main reason for any disease state, ultimately, is inflammation. Inflammation plays such a pivotal role in the development of any condition, including cancer that even within the mainstream medical community, there is a whole

theory based around it. It is called the inflammation theory of disease. It is based on years of scientific study which suggests that not only infectious diseases but also non-infectious ones have their root in inflammatory processes gone rogue.

One of the reasons why Moringa is called a “miracle tree” is because of its power as an anti-inflammatory substance. One pivotal study was a 2002 French investigation which found that Moringa root helped treat acute inflammatory conditions such as rheumatoid arthritis and bronchitis.

Most research points to phytonutrient substances called [isothiocyanates](#) as the main compound that affects inflammatory responses in moringa. Many whole foods have anti-inflammatory constituents such as isothiocyanates within them. What’s unique about moringa is the amount of these substances that it contains.-

## #2. Moringa Fights Oxidation

While inflammation is the primary cause of disease, oxidative stress is the primary reason for inflammation. Researchers at MD Anderson Cancer Center involved in a 2010 landmark National Institutes of Health study<sup>4</sup> put it best:

Extensive research during last two decades has revealed the mechanism by which continued oxidative stress can lead to chronic inflammation, which in turn could mediate most chronic diseases including cancer, diabetes, cardiovascular, neurological and pulmonary diseases.”

As you can see, the MD Anderson study has been out for close to ten years now. So why isn’t this common knowledge for most Americans? That is an entirely different story, but now you know so spread the word!

Getting back to moringa, several antioxidant substances that can help prevent and fight cancer have been discovered in the plant. These include quercetin, chlorogenic acid, [vitamin C](#), and beta-carotene.

Menopausal women are at a higher risk for reproductive cancer; in large part because estrogen levels drop significantly during this time and so do antioxidant levels. One 2014 investigation published in the *Journal of Food Science and Technology* found that when menopausal women took 1.5 teaspoons of moringa leaf powder every day for three months, antioxidant levels increased significantly.

[Quercetin](#) found in moringa is a powerful antioxidant that has especially been linked to cancer protection. A 2009 study published in the *Journal of Cell Biochemistry* found that even low doses of quercetin had the ability to inhibit cancer cell progression.

Moringa leaf extract’s antioxidant effects are so powerful; it can also be used as a food preservative!

## #3. Moringa Provides Essential Nutrients

From what you know so far about Moringa’s amazing health benefits, it should come as no surprise that moringa can help boost the immune system to fight cancer as well. In addition to its antioxidant and anti-inflammatory phytonutrients, it also **contains a variety of essential nutrients**

**that help the body on all levels.** We already spoke about Moringa's high vitamin C content in relation to its antioxidant properties. Moringa leaves are also a good source of:

- Vitamin A
- Vitamin K
- Vitamin E
- Calcium
- Potassium
- Phosphorus
- Copper
- Manganese
- Protein
- B vitamins (especially B6, B2 and B3)
- Iron

**Moringa also contains a plethora of essential and non-essential amino acids,** which are the very building blocks of life. Some of these include arginine, lysine, tryptophan, leucine, valine, and methionine.

It should also be noted here that, according to some studies, moringa also contains a certain amount of “anti nutrients.” These are substances such as tannins, phylates, calcium oxalates, and lectins that can slow or block nutrient absorption. The amount of anti nutrients in moringa isn't a concern for most people.

Keep in mind that while “anti nutrients,” like tannins and lectins can block absorption of some nutrients, they are actually considered beneficial phytonutrients in other regards and their presence shouldn't discourage you from taking advantage of all the wonderful benefits of moringa. Experts suggest, however, that if your diet consists mainly of legumes and grains (which also contain anti nutrients), you should contact your holistic health professional or nutritionist to determine a moringa dose that is right for you.

The nutrients that moringa provides may seem like humble vitamins and minerals that can be found in many vegetables and other whole foods. But remember that food is medicine! Much of the “medicine” needed to boost immunity and fight disease of any kind comes from ingesting foods that contain essential nutrients every day.

## **#4. Moringa Stimulates Cancer Cell Death**

Finally, there is strong evidence to suggest that moringa helps fight cancer directly. It does this mainly through substances within it that stimulate the process of cancer cell death known as apoptosis.

A 2015 study published in the journal *PLoS One* took a look at the effect Moringa *oleifera* leaves, bark, and seed extracts had on both breast cancer and colon cancer lines in the laboratory. They found that all three increased the number of apoptotic cancer cells (i.e. cancer cells which have regained their ability to self-destruct like healthy cells) in both breast and colon cancer cell lines.

This study was significant because it was the first to determine that the bark as well as the leaves of the moringa tree can be cancer tumor-reducing.

Another study conducted by Israeli researchers found that moringa in conjunction with radiation therapy significantly decreased pancreatic cancer cell survival as well as metastasis. It also radically inhibited tumor growth. The investigators concluded that these results could not have been possible with radiation therapy alone. They suggest that:

The combination of moringa plus radiation resulted in an additional inhibitory effect that provided the rationale for further investigation of this combination as a novel strategy to overcome pancreatic cancer cell radio resistance.”

These are just two examples amongst dozens of research studies that have focused on (and proven) Moringa’s benefits for fighting cancer. Modern research now knows without a shadow of a doubt what ancient cultures around the world have known for centuries.

Moringa *oleifera* – the roots, leaves, seeds, and the bark – contains healing properties that have the ability to assist in cancer healing and prevention. Now you are no longer in the dark about this amazing substance don’t let your friends and family be either. Spread the word by sharing this article and continue the education and empowerment about natural health!

### **Other benefits?**

Moringa is believed to have many benefits and its uses range from health and beauty to helping prevent and cure diseases. The benefits of moringa include:

#### **1. Treating edema**

Edema is a painful condition where fluid builds up in specific tissues in the body. The anti-inflammatory properties of moringa may be effective in preventing Edema from developing.

#### **2. Protecting the liver**

Moringa appears to protect the liver against damage caused by anti-tubercular drugs and can quicken its repair process.

#### **3. Treating stomach complaints**

Moringa extracts might help treat some stomach disorders, such as [constipation](#), gastritis, and ulcerative colitis. The [antibiotic](#) and antibacterial properties of moringa may help inhibit the growth of various pathogens, and its high vitamin B content helps with digestion.

#### **4. Fighting against bacterial diseases**

Due to its antibacterial, antifungal, and antimicrobial properties, moringa extracts might combat infections caused by *Salmonella*, *Rhizopus*, and *E. coli*.

#### **5. Making bones healthier**

Moringa also contains calcium and phosphorous, which help keep bones healthy and strong. Along with its anti-inflammatory properties moringa extract might help to treat conditions such as [arthritis](#) and may also heal damaged bones.

#### **6. Treating mood disorders**

Moringa is thought to be helpful in treating [depression](#), [anxiety](#), and [fatigue](#).

#### **8. Protecting the cardiovascular system**

The powerful [antioxidants](#) found in Moringa extract might help prevent cardiac damage and has also been shown to maintain a healthy heart.

#### **109. Helping wounds to heal**

Extract of moringa has been shown to help wounds close as well as reduce the appearance of scars.

#### **10. Treating diabetes**

Moringa helps to reduce the amount of glucose in the blood, as well as sugar and protein in the urine. This improved the haemoglobin levels and overall protein content in those tested.

#### **11. Treating asthma**

Moringa may help reduce the severity of some asthma attacks and protect against bronchial constrictions. It has also been shown to assist with better lung function and breathing overall.

### **12. Protecting against kidney disorders**

People may be less likely to develop stones in the kidneys, bladder or uterus if they ingest moringa extract. Moringa contains high levels of antioxidants that might aid toxicity levels in the kidneys.

### **13. Reducing high blood pressure**

Moringa contains isothiocyanate and niaziminin, compounds that help to stop arteries from thickening, which can cause blood pressure to rise.

### **14. Improving eye health**

Moringa contains eyesight-improving properties thanks to its high antioxidant levels. Moringa may stop the dilation of retinal vessels, prevent the thickening of capillary membranes, and inhibit retinal dysfunction.

### **15. Treating anaemia and sickle cell disease**

Moringa might help a person's body absorb more iron, therefore increasing their red blood cell count. It is thought the plant extract is very helpful in treating and preventing [anemia](#) and sickle cell disease.



## **The Technology – Cellular Preservation Technology (CPT)**

Cellular Preservation Technology or CPT is a proprietary technology which utilizes a modified form of freeze drying.

Freeze Drying has been used for centuries however the common industry standard freeze dry method typically uses traditional 'static' freeze drying with a further process of mechanical grinding.

## Image 1 – Traditional Vs Cellular Preservation Technology (CPT)

### Traditional freeze drying



- multi-step process; bacteria and mould growth risk.
- static materials sitting on trays; 10-20% residual moisture
- product ground into a powder; product cell structure destroyed

### Cellular Fracture Line technology

- 1-step process
- super frozen particles fly around in the product chamber
- no mechanical grinding.
- brittle material motion and sublimation of ice structure that hold it together causes product to break along natural elemental fracture lines.
- <0.1% residual moisture



CPT is a key component in the creation of our functional foods. It allows us to preserve a whole food in its fresh form, thus maintaining all of the medicinal activity of a live plant while providing the safety of a stable commodity.

This proprietary and transitional preservation process gives us the unique ability to provide a superior product compared to anything else available on the market today. The 'secret' to our technology is the Herbs are dried while they remain frozen in a vacuum state, rather than sitting motionless on trays (as in the traditional tray freeze drier), the product is flying round in a vortex. The deeply flash-frozen CPT granules decrease in size due to sublimation of the connecting ice structure and break into increasingly smaller particles along natural elemental fracture lines.

This creates a smaller particle size and porous structure without cellular hemorrhaging, caused by mechanical grinding of the traditional process as used in the industry today. CPT particles are much more easily absorbed and metabolized (more bio-available), and are more soluble for use as a catalyst ingredient in other formulations.

### Solubility

As a food ingredient our herbs are highly soluble. Solubility ties into taste as well as ease to combine with other ingredients. This high level of solubility (enhanced by the CPT freeze dry process creates a more soluble particle structure),

Fresh Super herbs and Super foods

As soon as our botanicals are harvested they naturally begin to degrade. It is critically important to get them into the CPT process immediately after harvest. The logistics are challenging in any case, but the fact that they are grown at our doorstep in the mountains surrounding Chiang Mai, Thailand makes it all possible.

### Higher Bioactivity Superior Efficacy

The objective achieved by CPT is preservation not only of the targeted ingredients but preservation of the entire cellular and molecular structure of the live plant. This is achieved by:

- An Evolutionary and Transitional Freeze Dry Process where the product is never exposed to the destructive oxidative forces of heat.
- Plant tissue fractures between/along the layers of the cell walls preserving cellular integrity and improving the retention of the bioactive intracellular contents.
- Water removed as a liquid at an extremely low constant temperature (minus 55 deg C) evaporates at a constant rate while the quantity of water steadily decreases. This creates surface tension. Any solid structure in contact with the water will normally experience surface tension strong enough to damage fragile cell walls; CPT removes water in its gaseous state (water vapor) and avoids this destructive surface tension.
- Exposure of the entire surface area to sublimation results in “even” drying which preserves cellular integrity.

The net result is preservation of the complex synergistic structure as close as possible to how it exists in nature. This translates to a more highly bioactive more effective powder.

### Higher Absorption and Higher Bio-Availability

Particles break down inside the product chamber with minimal need for mechanical grinding. They break down due to the movement of the super frozen particles and sublimation of the ice structure that holds the particles together. This causes them to fall into small porous particles along the natural Cellular Lines creating soft, porous particles which have more surface area per unit of weight and therefore are absorb more easily.

The function and value of our food supplements lie not in lab tests alone, but in their energetic breakdown and uptake inside your body and the preservation of enzymes, proteins and vitamins.

The ability of your body to store or use these nutrients is called bio-availability – yet another huge advantage of our Cellular Preservation Technology activated botanicals.

The quality and effectiveness of our Products are the result of the remarkable protocols and processes we employ from the fields to the finished product. For details on this evolutionary process, please contact us at [www.cptsuperherbs.com](http://www.cptsuperherbs.com)