

# 一番木瓜酵素

中国政府卫生部登録「免疫調節用保健食品」



## Papaya Enzyme

All the goodness of Naturally Green Papaya further enhanced by Fermentation using unique SUN-O Yeast strains.

Bio-Normalizer is certified as good for the person with a weakened immune system and registered officially as immune modulator health food by the Chinese Ministry of Health.

- Anti-aging
- Free Radical & Redox Regulator
- Immunomodulator
- Metal Chelator



 **BIO NORMALIZER**  
Fermented Green Papaya

# Bio-Normalizer an Overview

Papaya a tropical plant which is almost ubiquitous in the tropics, it is one of nature's power pack fruit containing a lot of nutritional and disease - preventing nutrients. An analysis of plant experts reveal the following:

1. Enzymes - Papaya is usually known for its enzyme content. These enzymes are capable of digesting proteins and in the right amount and its activity can digest the coating of cancer cells and help the immune system to attack them easily.
2. The fibrin in papaya can reduce blood clots and gives protection for people who are at risk of heart attacks and strokes.
3. Ripe and unripe papaya contains carotenoids and lycopene which have cancer-fighting and heart-protective functions. Lycopene is ideal for middle aged men who are at risk of prostate cancer and heart disease. Papaya is also rich in potent antioxidants like Vitamins A, C, E, Selenium and Super Oxide Dismutase which accounts for its activity on regulating the body's free radicals.
4. Papaya is also rich in isothiocyanate - a natural compound which is known to inhibit breast, lung, colon, prostate cancer and even leukemia.
5. Power packed with B Complex Vitamins and Minerals - Papaya is a rich source of Folic Acid, Pantothenic Acid (B5), and Minerals like Magnesium and Potassium.

## Papaya seeds

1. Naturally anti bacterial - inhibits growth of E. coli, Salmonella and Staphylococcus.
2. Renal Protector - protects the Kidneys from toxin - induced kidney failure.
3. Naturally anthelmintic - prevents worm parasites from colonizing the intestines.
4. Reduces toxins in the liver.



# “Quality Of Life” begins with Bio-Normalizer

Bio-Normalizer is certified as good for the person with a weakened immune system and registered officially as immune modulator health food by the Chinese Ministry of Health.

Bio-Normalizer is an advanced nutraceutical now well accepted in many countries because of its safeness, potency and efficacy. It enhances the living organism's (Agriculture, Aquaculture, Animals and Human being) ability to resist diseases as well as improve the quality of daily life, thus symptoms are ameliorated, rejuvenation achieved. Every minute of life becomes productive.

Bio-Normalizer was developed in 1969 by Academician Dr. James Akira Osato from Carica papaya and became commercially available after numerous basic science and medical researches had been done worldwide.

"Bio-Normalizer" makes more active oxygen if it is insufficient in the body. If it is excessive, activity is weakened by activated SOD that deletes it. In addition, it has the power to remove most dreadful hydroxyl radical because of its free radical scavenging activity. This has been proven in numerous research papers published in scientific journals and made known to academic circles worldwide.

This enables the said reactive oxygen species, the double-bladed sword, to function in a balanced way, thereby facilitating smooth metabolism in the excretion of harmful free radicals; the cause of various diseases, from the body. Acting on the fundamental aspect of the body, Bio-Normalizer enhances the natural healing powers inherent in human beings.

## Bio-Normalizer Mechanisms of Action

- 1 Immunoregulatory function**  
Activates macrophage while, it hinders activity of neutrophils.  
Activates natural killer cell strongly which attacks cancer cell.
- 2 Bacteriostasis**  
It hinders physically harmful bacterial growth under the natural condition.
- 3 Free radical regulation properties**  
Eliminates 5% of superoxide radical  
Eliminates 95% of hydroxyl radical  
Induces and adjusts SOD and catalase activities  
Activates nitric oxide synthesis in the body  
It responds and adjusts actions of the body's immunoregulatory functions
- 4 Chelate-action of hazardous metal ions and excretory action**  
It detoxifies the body of accumulated lead or cisplatin as anti-cancer and excretes them in urine or sweat.
- 5 Anti-aging action**  
Enhances the activation of superoxide dismutase (SOD) and suppresses oxidation of lipids.



# Safeness

Food product safety has been verified by Public Health Institutions.

## ① Acute toxicity test

Himedaka fish were allowed to swim in 0.1 % solution (1 liter of water mixed with 1g of Bio-Normalizer). This test exhibited zero death rate after a lapse of 96 hours.

## ② LD50 (lethal dose 50%)

LD50 is a dose of chemical which kills 50% of an animal sample population. The LD50 of Bio-Normalizer administered orally is  $34.135 \pm 1.377$  grams per kilogram body weight. Approximately, 1,707 grams per person with 50 kg. (ref. salt appr. 500 grams, soy sauce appr. 1,000cc per person with 50 kg).

## ③ Quantitative analysis of heavy metals and harmful compounds

The result of chemical analysis revealed undetectable amount of toxic heavy metals and harmful compounds.

## ④ Serological test for healthy human

Long range intake of Bio-Normalizer showed no significant changes in the liver functions (SGOT, SGPT) indicating that Bio-Normalizer does no harm the liver of healthy people.



① Acute toxicity test



② LD50



③ Quantitative analysis of heavy metals and harmful compounds



④ Serological test

# The scientific research papers

Eminent validity to various pathology and illnesses has been studied and published in cooperation with prominent research organization throughout the world since the development of Bio-Normalizer.

The scientific research papers that academically proved those amazing effects were made based on research results of the world's leading government research institute. Have been acknowledged by academic circles in the world in prestigious journals and the number is huge that well over 130 volumes. Having put out a lot of science research papers that have proven its effectiveness. This is the only one of a kind which has a wide-range of studies in the field of scientific research.



## Japan

Okayama University, Yamagata Technopolis Foundation, Ehime University, FALCO Central Laboratory, National Cancer Center Hospital East, The Department of Digestive Tract Internal Medicine, Nagoya City University, Shimane University, Louis Pasteur Center for Medical Research, Gifu University, Osaka Dental University

## Overseas

University of Sto. Tomas, Philippines; Russian State Medical University; Russian Institute of Pediatric Hematology, Russia; Vitamin Research Institute, Russia; University of California, USA; University di Roma, Italy; St. Anna Hospital, Italy; Nuguarda Hospital, Italy; University of Bordeaux, France;



# Evidence of Intrinsic Merit

“The goal of Bio-Normalizer is to free people from suffering and disease, to fully bring out life potential, and to be healthy.”

## Bio-Normalizer Inventor



“The goal of Bio-Normalizer is to free people from suffering and disease, to fully bring out life potential, and to be healthy.”

**James Akira Osato**

Inventor <1930~2008>



Certificate of "Academician" title granted to Dr. James Akira Osato by the Russian Federation Academy of Medical and Technical Sciences.

## Humanitarian Medical Missions



**For Chernobyl liquidator (Russia)**  
The exposure accident of Chernobyl nuclear plant



**For AIDS children (THAI)**  
Hospice for AIDS patients



**For SARS (CHINA)**  
Letter of appreciation from Tianjin Medical University and certification as immune modulator health food by the Chinese Ministry of Health.

## Great Animator



The former Russian President Gorbachev and Mrs. Raisa Gorbachev acknowledged the dramatic result of humanitarian mission given to the victims exposed to radiation during the Chernobyl Nuclear Plant accident and this event was held at the Hotel in Gifu City, Japan.



His Excellency Sir Silas Atopare, Former Governor General of the Independent State of Papua New Guinea.



Professor Lester Packer of the University of California in Berkeley visited our office in Gifu City, Japan

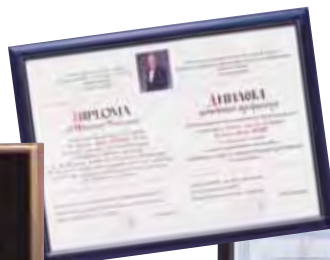
## Recognitions



Quality of Life Prize diploma and prize sculpture by Maestro Pasquale Basile



Metchnikoff Certificate and Medal



Diploma for the title "Honorary Professor" for the Russian Institute of Pediatric Hematology.



The Academy of Science of Technological Cybernetics of Ukraine in accordance with its regulations elected Dr. James Akira Osato as Academician.

# FAQ of Bio-Normalizer

Please read these FAQs to see if there is an answer to your problem.

## Q. What is Bio-Normalizer?

A. Bio-Normalizer was created by Dr. James Akira Osato in 1969. It is a granulated powder food made from the fermentation of Philippine papaya (*Carica papaya*) using SUN-O and AKIRA Yeast strains. Bio-Normalizer is all-natural and does not contain chemical additives and preservatives. It is universal for all ages and genders.

## Q. Is Bio-Normalizer safe?

A. Bio-Normalizer's safeness has been tested in several institutions. Bio-Normalizer is non-toxic. It also does not affect the liver and kidney functions in humans. It also does not contain heavy metals or harmful compounds.

## Q. Can Bio-Normalizer be taken with other health foods?

A. Although, Bio-Normalizer has been proven to be safe when taken with other health foods, the beneficial effects might be reduced or counterbalanced. Therefore, it is recommended to be taken alone.

## Q. How long should I continue to take Bio-Normalizer?

A. The response to Bio-Normalizer varies from person to person and depends on so many factors like state of health and type of disease, the length of time to continue intake depends on the individual's response. One may stop taking BN when the Quality of Life improved, however it may also be taken continuously to maintain health and well-being.

## Q. Can a person undergoing treatment take Bio-Normalizer?

A. Yes. It is most suited for patients in the convalescent stage.

## Q. Bio-Normalizer is sweet in taste, is it all right for a diabetic patient to take it?

A. Yes. The blood sugar rises drastically when polysaccharides are broken down within the body to monosaccharides. On the other hand, the sweetness of Bio-Normalizer is monosaccharide, and is turned into energy in a short period. Therefore, blood sugar levels are not drastically heightened, thus, does not pathologically worsen diabetes.

We advise that Blood Sugar levels be monitored from time to time and inform the results to a Bio-Normalizer Medical Specialists.

## Q. Can Bio-Normalizer prevent the onset of chronic diseases?

A. Bio-Normalizer slows down the harmful effects of aging by reducing oxidative stress and boosting the Immune System. Coupled with the right diet and healthy lifestyle changes, Bio-Normalizer can help one achieve better health.

## Q. Can I take Bio-Normalizer even if I'm not sick?

A. We recommend that Bio-Normalizer be taken even by people who are not sick to maintain their health and well-being.



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