



LIFEWATER SCIENCES



Prolife™
Body Vitalizer



ProLife Body Vitalizer, our unique chitosan supplement is a substance which has a positive and remarkably healthful effect on the human body.

⊕ ProLife Body Vitalizer has been tested and verified in Japan

Chitosan PRO™ 

LifeWater Sciences International
406-892-5433
info@lifewatersciences.com



Product for Health and Wellness “Activation”

*Made from highly-purified D-glucosamine and
N-acetyl-D-glucosamine fibrous material extracted from sea shells*
CAS Number is 9012-76-4 and ChemSpider is 64870

ProLife Body Vitalizer™ Benefits*

Anti-mutagenic
Diabetes
High Blood Pressure
Impaired Liver Function
Impaired Kidney Function
Reduction of bad (LDL) cholesterol
Absorption and removal of heavy metals and radioactive material
Aids in weight loss by reducing the absorption of fat
Improves elimination
Boost the immune system helping prevent major disease

ProLife Body Vitalizer™ Effects*

- **Detoxification effect**

ProLife Body Vitalizer can detoxify substances which the liver cannot handle and enhances the function of liver.

- **Boosting the immune system**

ProLife Body Vitalizer can help the immune system to work more efficiently to improve resistance to invasion of foreign substances. ProLife Body Vitalizer is effective in improving the activity of macrophages, which function in the destruction of foreign antigens (as bacteria and viruses), and serves as an antigen-presenting cell.

- **Activating cells**

ProLife Body Vitalizer can cure certain disease or trauma by activating white blood cells.

ProLife Body Vitalizer solution can be effective in curing burns or healing traumatic wound more quickly.

- **Inhibition of mutagens**

ProLife Body Vitalizer has effects of preventing mutagenic cells from multiplying by increasing immune cells.

- **Helps prevent high blood pressure.**

ProLife Body Vitalizer helps stabilizes blood pressure by absorbing chloride ions and discharge so in effect it helps prevents high blood pressure.

- **Reduction of cholesterol.**

ProLife Body Vitalizer is effective in reducing intestinal absorption of cholesterol and helps to prevent atherosclerosis. Due to the high *N*-amino content, ProLife Body Vitalizer acts as a powerful natural magnetic attraction for lipids, fats, and bile in the digestive tract, and actually binds with them to prevent their absorption into the bloodstream. The attracting ability of ProLife Body Vitalizer contributes to the reduction of cholesterol and triglycerides blood plasma levels, which contribute to obesity and cardiovascular disease.

One major characteristic of ProLife Body Vitalizer is its ability to attach to the inner wall of blood vessels reducing cholesterol and atherosclerosis and improving the prevention of myocardial infarction.

- **Reduces toxic metals.**

In a recent studies, the effect of emissions of dioxins and toxic metals in the body has been found. While our low molecular weight chitosan has shown to be an agent for promoting excretion of radioactive strontium, it also became apparent through animal experiments that it is also was useful as a protective agent.

- Improves elimination.

ProLife Body Vitalizer is a family of fiber increasing the bifidobacteria and help clean the intestines improving bowel movement and has the effect of eliminating constipation.

- Diabetes

ProLife Body Vitalizer is effective in treating hepatitis C and hepatitis B and clinically reported to reduce side effects of interferon. Chitosan in liver function to inhibit the activity of viral hepatitis C and hepatitis B and has been analyzed to improved medical conditions.

ProLife Body Vitalizer™ *Patented Product**

ProLife Body Vitalizer is made by a unique manufacturing process using sea shells and is patented under Japan patent laws (Patent No. 4178361). ProLife Body Vitalizer is a 100% water soluble chitosan product.

ProLife Plant Vitalizer™ *Ingredients**

- ⊕ ProLife Plant Vitalizer is a 100% water soluble concentrated chitosan using proprietarily treated sea shells, which come from the “skin” covering of crustaceans.

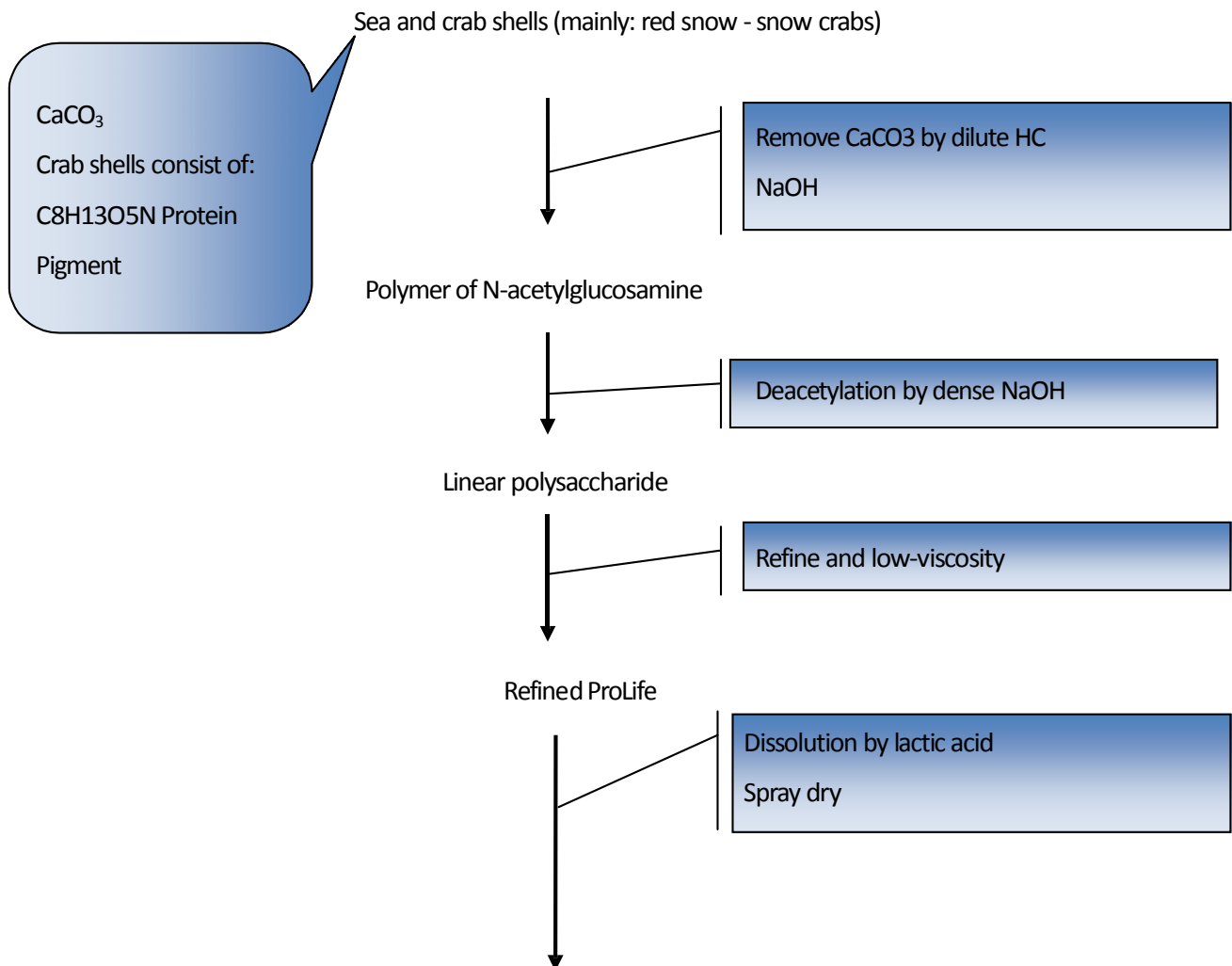
“Our Chitosan Products- the world’s first water soluble chitosan”



The following describes the process of producing ProLife Plant Vitalizer:

1. N-acetylglucosamine is extracted from crab shells discharged in the crab meat packing plants in Sakaiminato/Totori, Japan and make it into a linear polysaccharide composed of randomly distributed β -(1-4)-linked D-glucosamine (deacetylated unit) and N-acetyl-D-glucosamine (acetylated unit).

2. The long-chain polymer of N-acetylglucosamine is further refined into a polished, low-viscosity solubilized powder through a unique technology developed by the Chitosan team in Japan.
3. Chitosan is produced by deacetylation of chitin, which is the structural element in the exoskeleton of crustaceans including crabs and shrimp. A common method for the synthesis of chitosan is the deacetylation of chitin using sodium hydroxide in excess as a reagent and water as a solvent. There is no residual sodium hydroxide in the final product and it can be said it is a natural product.



How our ProLife Plant Vitalizer differs from other chitosan products ?

- ② ProLife Plant Vitalizer is the first chitosan in the world which can be perfectly water soluble. Chitosan is usually not water soluble and there are little chitosan products which can be 100% water-soluble.
- ② It is very low-molecule so that it can be absorbed into human or animal body and the plants very easily. Chitosan is usually high-molecule so it is rather difficult for it to go into human or animal body or the plants.
- ② Concentration of our Chitosan can be changed so easily that it can create different type of products for each application. This means that our chitosan has much more possibility of having different applications commercially.
- ② ProLife Plant Vitalizer is 100 % made from shrimps and crab shells caught in South-Western of the Japan Sea and it is made in a first-class factory located in Kyushu (100% Made in Japan). It is widely known that chitosan does not harm people, pets, wildlife, or the environment when used according to label directions and our Chitosan can be said to be perfectly safe for human and other living things in the world. It is widely known that our source is of a much higher quality than other chitosan.

Chitosan capsules for human use as health food.

It is suggested as follows

- ① A person without any health problem should take 2 to 3 capsules to keep his healthy condition a day.
- ② A person with some serious health problems including diabetes, blood pressure and liver problems should take 10 to 15 capsules a day (split capsules up and take three times over the course of a day).
- ③ A person suffering debilitating disease should take 15 to 20 capsules a day.



Chitosan PRO™ 