

HYDR COR

Because Water Matters

for **Aquaculture**

~ Safe, Natural, Effective ~



Seafood is one of the most popular sources of protein worldwide. Almost half of the seafood we eat comes from farms. And seafood farming—also known as aquaculture—is the fastest growing food production system in the world.

85% (Eighty-five percent) of the world's marine stocks are either fully exploited or overfished, driving accelerated growth in the farmed seafood industry.

Farmed seafood provides an answer to increasing demand for protein sources as the world's population becomes more affluent, urbanized and approaches 9 billion before 2050. With annual revenue in excess of \$60 billion, that industry is on the verge of surpassing the total volume of wild-caught product. This will also contribute to the improvement of global food security issues and poverty alleviation.

Farmed shrimp accounts for 55 percent of the shrimp produced globally. Salmon consumption worldwide is three times higher than it was in 1980. What was once a luxury food is among the most popular fish species. Salmon aquaculture is the fastest growing food production system in the world—accounting for 70% (2.4 million metric tons) of the market.

HydroCor (NSF Hydrogen Peroxide) has been used for many years for the successful treatment of water-related issues for agriculture, livestock, hydroponics, as well as for human consumption. Consequently, there has been an increasing interest in using our product in aquaculture as a bath treatment for different species throughout the life stages of fish. This would protect them against many different disease-causing organisms, including external parasites, bacteria, and fungi. The U.S. Food & Drug Administration (FDA) has approved hydrogen peroxide based products for aquaculture, which has created an even greater interest in the use of HydroCor (OB50) in this industry.



Because Water Matters

Importance of Water Quality in Aquaculture

Fish perform all their bodily functions in water. Because fish are totally dependent upon water to breathe, feed and grow, excrete wastes, maintain a salt balance, and reproduce, understanding the physical and chemical qualities of water is critical to successful aquaculture. To a great extent water determines the success or failure of an aquaculture operation.

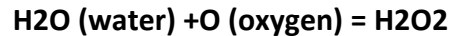
The elimination of most nitrogen waste products in land animals is performed through the kidneys. In contrast, fish rely heavily on their gills for this function, excreting primarily ammonia. A fish's gills are permeable to water and salts. Fish excrete ammonia and lesser amounts of urea into the water as waste by-products. Two forms of ammonia occur in aquaculture systems: ionized and non-ionized. The non-ionized form of ammonia (NH₃) is extremely toxic while the ionized form (NH₄⁺) is not. Both forms are grouped together as "total ammonia". Through our education in dealing with ammonia, our process allows toxic ammonia (NH₃) to be degraded and become harmless.

HydroCor (NSF Hydrogen Peroxide) is a stabilized solution that can contribute to better aquatic life management. However, there are many factors that need to be seriously considered when doing an analysis; these varying factors are critical to the efficiency of any water treatment.

As water technician experts, we have an expert understanding of water technology. This puts us in a position to discuss your unique situation with you and to ensure better water quality which will help improve your operation.

We start by taking a water sample and then make a full and extensive water analysis. We need to know what is going on in the water prior to making any recommendations. We then need to know the type of fish, size of pond, and particular issues that you are having. Our technique is to balance the right amounts of product to resolve these issues and then adjust the balance for ongoing maintenance levels.

~ All Natural Water Purification ~



HYDROCOR Water Treatment is made with a base of the highest quality NSF H₂O₂, which is a very effective, safe, and natural product. We then custom blend it with our very own stability package; this not only helps the shelf life but also adds to the efficacy of what it does. H₂O₂ [H₂O (water) + O (oxygen)] is as natural a formula as you can find. Each farm or situation is treated according to an independent lab water analysis.

Each customer's water is different - no water is the same. We find out what we need to do to repair your water and we repair it. PUROXI Water Treatment is specifically formulated to treat your water.

If this makes sense to you, please give us a call; we would love to have you as a customer.

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**WE CARE ABOUT
YOUR FUTURE!**