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WHAT IS AQUASANA?

AQUASANA is a water conditioner for fresh and saltwater aquariums. Aquasana neutralises chlorine and chloramine from tap water, reduces the polluting effects of heavy metals (e.g., copper, iron, aluminium, chromium, manganese, nickel and lead) and chemicals, and prepares the water for your fish.

Aquasana is enriched with **ALOE VERA**, a special natural colloid that protects your fish's body and gills. **ALOE VERA** helps heal wounds and regenerate damaged fish tissue. Aloe Vera leaves contain over 70 biologically active molecules. Aloe Vera contains mucilaginous gel and latex: vitamins, polysaccharides, fatty acids, minerals, etc. **Acemannan** – a polysaccharide contained in Aloe extract – promotes body growth and infection resistance. It also stimulates appetite and the production of immune cells.

AQUASANA must be used immediately after having filled the new aquarium and when water is partially replaced. Aquasana removes chlorine and chloramine. It is ideal for reducing fish stress.

OVERVIEW

Stress is an essential factor to understand the health and wellbeing of your fish. Exposure to stress can cause fish to release stress hormones (corticosteroids) into the circulatory system, for example.

Corticosteroids can seriously damage fish's metabolism and inhibit their growth, as they can also lose appetite. In the worst-case scenario, stress causes intestinal lesions and weakens the immune system, leading to debilitating diseases.

Both chlorine and chloramine are toxic for fish. They can cause disorientation, stress and even death in a few hours or even minutes. Generally, smaller fish are more sensitive. They may cover themselves with mucus to protect themselves or show redness on various parts of the body. In addition, a chlorine-poisoned fish can gasp for air at the surface because of the lack of oxygen and swim irregularly.

That's why **AQUASANA** is essential, as it protects fish from chlorine poisoning.





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HOW DOES IT WORK?

AQUASANA contains harmless substances for the aquatic environment. These substances bind with chlorine and ammonia particles (deriving from chloramine), inactivating them through a chemical reaction. Aloe Vera neutralises irritant agents and promotes mucosal protection. It also reduces stress and maintains the ideal habitat.

AQUASANA does not alter the aquarium's water values.

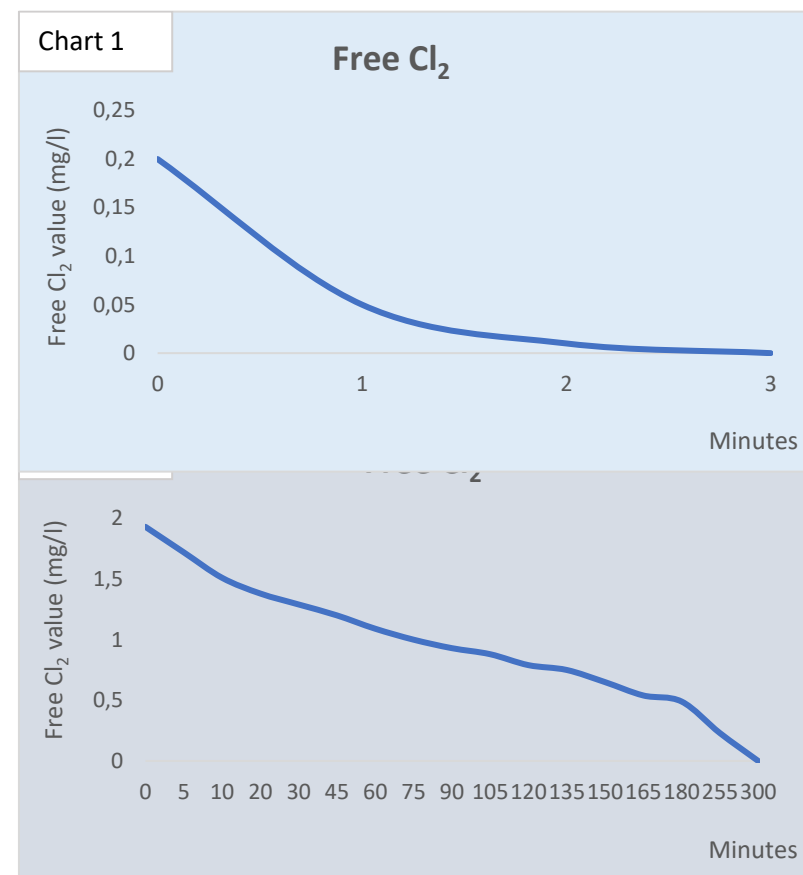
CONDUCTED TESTS

The first test was conducted in a 50 l aquarium without plants or fish. We replaced the aquarium water with tap water.
Note: The maximum free chlorine (Cl_2) threshold to classify drinking tap water is 0.2 mg/l*.

We measured the level of Cl_2 in the aquarium and added 1 ml of *AQUASANA*, as per instructions. Then we measured the level of Cl_2 every minute and added the detected values to Chart 1.

The second test was conducted in a 50 l aquarium without plants or fish. This time, we added chlorine powder to show how *AQUASANA* works and reacts at every chlorine level (10 times higher than drinking water).

We measured the level of Cl_2 with our instruments and added 1 ml of *AQUASANA*. Then, we monitored the level of Cl_2 and added the detected values to Chart 2.



* Value derived from Italian Legislative Decree no.31 of 2001, implementing EU Directive 98/83/EC



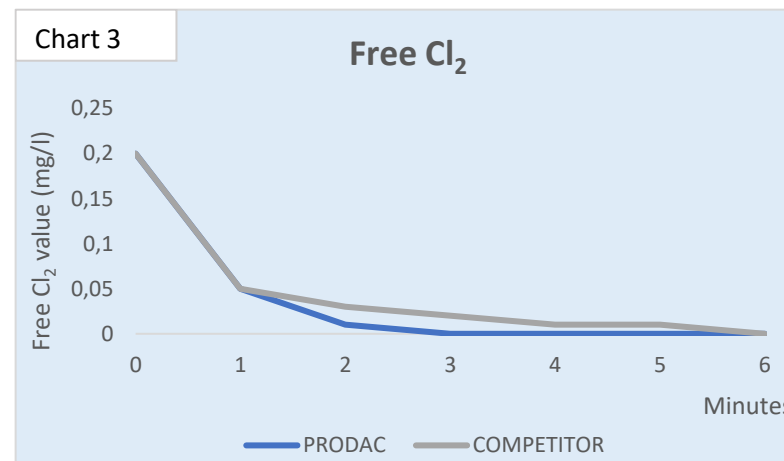
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The third test was conducted in a 50 l aquarium without plants or fish. We replaced the aquarium water with tap water.

We measured the level of Cl_2 in the aquarium and added 12.5 ml of a competitor's product.

Then, we measured the level of Cl_2 every minute and added the detected values to Chart 3, comparing *AQUASANA*'s rapid action with the competitor's product.

As you can see, *AQUASANA* took just 3 minutes to eliminate Cl_2 while the competitor's product took 6 minutes.



DISCUSSION

The first test (Chart 1) showed how, in an aquarium containing 0.20 mg/l of chlorine, *AQUASANA* had eliminated chlorine and thus chloramine after 3 minutes, making the water habitable after just 1 minute.

The second test (Chart 2) showed how *AQUASANA* eliminated high chlorine content (10 times higher than drinkable water) in just 5 hours.

The third test (Chart 3) showed how the competitor's product took 6 minutes (twice as much as *AQUASANA*) to reduce the level of chlorine to zero, starting from the same initial value (0.2 mg/l of Cl_2).

CONCLUSIONS

AQUASANA is the most concentrated product on the market thanks to its formula developed by our R&D laboratory. It ensures excellent results and the wellbeing of your fish.

AQUASANA's rapid action allows you to keep the fish's stress levels low when you change the aquarium water. Moreover, the Aloe Vera protects and regenerates the surface and gills of your fish.