

## WHAT IS NO PHOSPHATES?

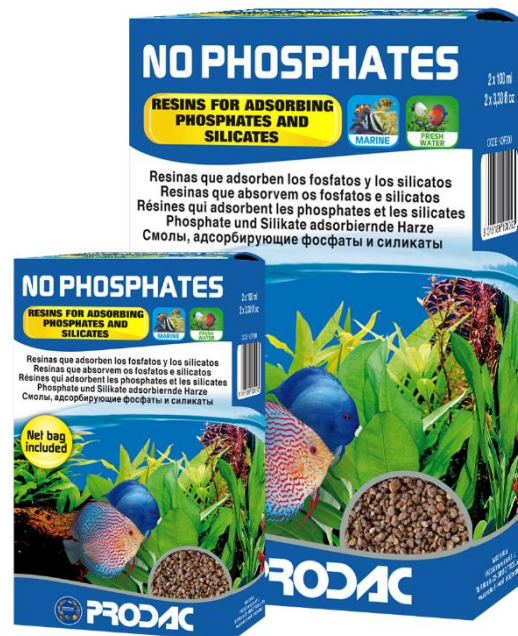
*NO PHOSPHATES* is a filter material consisting of a special resin that adsorbs phosphates and silicates in fresh and marine water aquariums and does not release the adsorbed substances in any way.

*NO PHOSPHATES* is a fundamental filter material for your aquarium to be used in case of overly high phosphate and/or silicate values.

## OVERVIEW

Phosphates and silicates are nutrients that are commonly found in freshwater and marine aquariums. Plants in freshwater aquariums use phosphates as a food source, but overly high and unbalanced accumulation of phosphates and silicates can contribute to algae growth.

Thanks to its ability to trap and decrease the value of phosphates and silicates, *NO PHOSPHATES* can also be defined as an excellent ally against algal proliferation.



## HOW IT WORKS

*NO PHOSPHATES* must be poured into the bag supplied, rinsed under running water for approximately 3 minutes, then introduced into the external filter or biological filter under the recirculation pump. For optimal functioning of the product it is important that the water in the passage it makes through the filter completely crosses the surface available to the product so that the water that will be fed back into the aquarium has been treated in its entirety by the product.

The main causes for which overly high phosphates and silicates occur are attributed to the decomposition of dead vegetables (plants) or animals, overcrowding of the tanks, untreated tap water, an osmosis system to be replaced, too much nutrition or poor cleaning of the aquarium (infrequent water changes and bottom siphoning not performed).

Phosphates and silicates, if present in excessively high quantities, can cause the growth of algae; it is therefore important to maintain the correct relationship and balance between these two elements, avoiding exceeding the recommended values for your aquarium.

Remember that *NO PHOSPHATES* is a filter material with very specific purposes and must be used for limited periods of time as indicated in the instructions; once used, it must be disposed of according to the instructions on the package. The duration of the product depends on the quantity of phosphates and silicates present in the water, however it is recommended to replace it every 4 months.

*NO PHOSPHATES* does not alter the values of the aquarium water (pH, GH, KH).

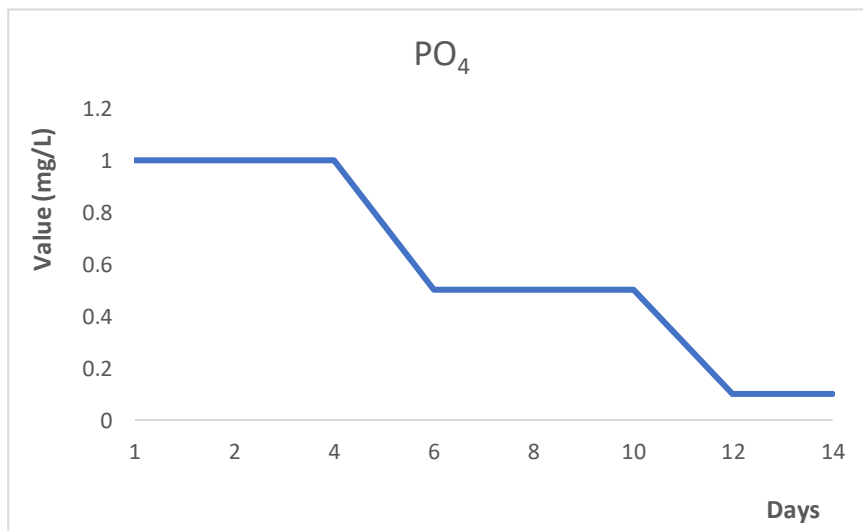
## TESTS PERFORMED

We tested *NO PHOSPHATES* in a 50L aquarium. The bottom of the aquarium is made of *POLYCHROME GRAVEL + FONDOVIVO*. The biological filter is made of *FILTERWATTE + BIOCLARO + CRYSTALCIL*. The pump is *MAGIC PUMP 350*. The aquarium was planted with Anubias barteri, Echinodorus ozelot red, Ludwigia Repens and Cryptocoryne Willisii.

Before introducing *NO PHOSPHATES* into the filter compartment under the recirculation pump, we measured the value of phosphates with *PRODAC TEST PO4*.

"1" represents the first day of use and the values of the aquarium before the introduction of *NO PHOSPHATES*.

For the following 14 days we measured the phosphate values and represented the values found in the graphs shown below



## DISCUSSION

As can be seen from the graph above, the use of *NO PHOSPHATES* significantly reduced the value of phosphates in water; the aquarium initially presented 1 mg / L of PO<sub>4</sub>, after 6 days the phosphate value was halved to 0.5 mg / L and after 12 days it dropped to 0.10 mg / L.

This test demonstrates how the use of *NO PHOSPHATES* firstly blocked the increase in phosphates and after just 4 days it halved the value present in the water.

*NO PHOSPHATES* made the value of phosphates in water safer for fish and plants. Although they are a source of food for plants it is good to monitor and check them to avoid unpleasant algae proliferations.

## CONCLUSIONS

*NO PHOSPHATES* is a quick and easy way to filter aquarium water and to remove phosphates and silicates.

*NO PHOSPHATES* is part of the PRODAC line of filter materials and is a fundamental product for the health of your aquarium.