

Method for indicator determination of phosphate ion concentration in water, in which a water sample is taken, mixed with reagent A and reagent B in a container by means of shaking and waiting, after which a color of the obtained solution is compared with a color scale. After taking the water sample, verification of the water sample for a pH level of an acceptable range of 6-7 is performed, after which, in case of exceeding the pH level of 7, correcting reagent C, which is a hydrochloric acid solution with a concentration of 0.01 mol/dm^3 , is added to the water sample, and, in case of the pH level being below 6, correcting reagent D, which is a sodium hydroxide solution with a concentration of 0.01 mol/dm^3 , is added, and for mixing with the water sample, such a number of drops of reagent A, which is a zirconyl nitrate solution, is measured so that a concentration of the reagent A in a final solution is 0.0004 mol/dm^3 , and such a number of drops of reagent B, which is a chromazurol S solution, so that a concentration of the reagent B in the final solution is 0.0002 mol/dm^3 , the mixing is performed for at least 10 min. After this, comparison of the color of the obtained final solution is performed with a color scale having a gradient of shades from purple to yellow.