

Test sticks and reagents for the semi-quantitative determination of free chlorine in solutions.

Contents:

- 1 Aluminium container with 100 test sticks
- 1 Bottle Chlorine-1 1 Measuring tube with 5 ml mark
- 1 Bottle Chlorine-2 1 Small measuring spoon

Safety precautions:

Chlorine-2 contains 0,3% potassium cyanide solution. Keep out of reach of children. Keep container tightly closed. After contact with skin, wash immediately with plenty of water. When performing the test, do not eat, drink or smoke. If you feel unwell, seek medical advice immediately.

Method of application:

1. Rinse measuring tube with the sample and fill to the 5 ml mark.
2. Measure pH value (eg. with pH-Fix 0-14 Cat. No. 921 10).
3. If the pH is > 10, add dropwise diluted sulphuric acid, until the pH is 6-7.
4. Add one measuring spoon Chlorine-1 (buffer mixture).
5. Remove only as many test sticks as are required, and reseal the container immediately after use. Do not touch the test paper zone.
6. Add 5 drops Chlorine-2 to the sample solution and shake carefully.
7. **Immediately** place test stick into the sample solution.
8. After 45 seconds remove test stick and **within** 10 seconds compare with the colour scale.

Interferences:

Bromide and iodide in excess of 5 mg/l cause a decrease in colour intensity. Higher concentrations can even inhibit the colour formation. Nitrite can also cause a decrease in colour intensity with corresponding low test results. If the pH is >10, then the capacity of the buffer (Chlorine-1) is not sufficient to adjust the sample to a pH of 6-7. In this case the pH value should be adjusted to a pH of 6-7 by dropwise addition of diluted sulphuric acid prior to the test.

Disposal:

When you have finished the test, flush the sample with plenty of water in a place, where contact with food or dishes is not possible.

Storage:

Avoid exposing the sticks to sunlight and moisture. Store the kit below +30°C in a dry place.