QUANTOFIX®Chlorine

Pack content:

1 aluminum container with 100 test strips
1 bottle Cl_2-1 — 1 measuring vessel with 5 mL mark
1 bottle Cl_2-2 — 1 small measuring spoon

Measuring range:

1–100 mg/L

Color gradation:

0 · 1 · 3 · 10 · 30 · 100 mg/L

Safety precautions:

Reagent Cl_2-2 contains pyridine 25–44 % CAS 110-86-1 and potassium cyanide 0.1–1 % CAS 151-50-8. WARNING Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Contact with acids liberates toxic gas. Keep away from heat / sparks / open flames / hot surfaces. – No smoking. Keep container tightly closed. Do not breathe vapors. IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth. Store in a well-ventilated place. Keep cool. With reduced labelling acc. CLP Annex I chapter 1.5.2.1. For further information, please ask for safety data sheet *(see www.mn-net.com/MSDS)*.

General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

Specific indications:

To obtain correct results with this test, the pH of the sample must be < 10. Therefore, the pH value of the sample must first be measured (for example with pH-Fix 0–14, REF 921 10). If the solution has a pH > 10, add some drops of diluted sulfuric acid to lower it to 6–7.

Instructions for use:

1. Rinse the measuring vessel with the test solution and fill it to the 5 mL mark.
2. Add 1 spoon Cl_2-1 (buffer solution) to the sample.
3. Add 5 drops Cl_2-2.
4. Shake carefully.
5. Immediately dip the test strip into the sample.
6. Wait 45 s.
7. Shake off excess of liquid.
8. Compare within 10 s with the color scale.

Interferences:

Bromide and iodide in concentrations of 5 mg/L and above lead to a fading of the color reaction. Major concentrations may inhibit the color reaction. Nitrite can also cause a decrease in color intensity with corresponding low test results. If the pH value of the sample is >10, then the capacity of the buffer solution will not be sufficient to lower the pH to the optimal value of 6–7. In this case, prior to the test, the pH value of the sample should be adjusted to 6–7 by dropwise addition of diluted sulfuric acid.

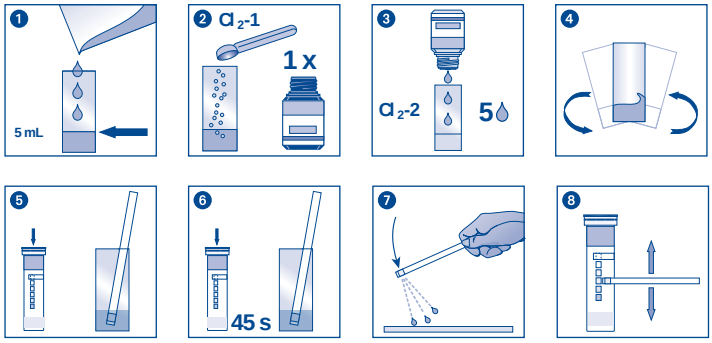
Disposal:

The used analysis specimens can be flushed down the drain with tap water and channeled off to the local sewage treatment works. Used test strips can be disposed in household waste.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature not above +30 °C).
If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

Product data and ordering information	
Type	Semi-quantitative test strips
Presentation	Tube of 100 test strips with reagents
Color reaction	white to red-violet
Gradation	0 · 1 · 3 · 10 · 30 · 100 mg/l (ppm) Cl_2
REF	91317



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