

QUANTOFIX[®] Active oxygen

Description:

QUANTOFIX[®] Active oxygen are test strips for the semi-quantitative determination of the potassium monopersulfate triple salt ($2 \times \text{KHSO}_5 \cdot \text{KHSO}_4 \cdot \text{K}_2\text{SO}_4$) (MPS) in aqueous solutions. Potassium monopersulfate is a stable, easy to use and water-soluble powder. It is used in swimming pools and spas as a chlorine-free, environment-friendly disinfectant as well as oxidant, detergent and bleaching agent for a wide range of industrial and consumer applications.

Measuring range:

4–25 mg/L Active oxygen (MPS)

Color gradation:

0 · 4 · 8 · 15 · 25 mg/L Active oxygen (MPS)

Pack content:

1 aluminum container with 100 test strips

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.

Instructions for use:

1. Immerse and agitate the test strip in the test solution for 10 seconds.
2. Shake off excess liquid.
3. Wait 10 seconds.
4. Compare the test field immediately with the color scale. Take the value which matches closest with the colored test field (reading accuracy: $\pm \frac{1}{2}$ colored field of the scale).

The reaction color of the test field may change after the value has been taken. It is therefore crucial to evaluate the coloration within the prescribed time scale in order to achieve a correct result. Ignore color changes that occur after the reaction time (10 seconds).

Interferences:

The presence of strong oxidants interferes with the determination. The following oxidants lead to false positive results when the concentrations below are exceeded:

1000 mg/L: hydrogen peroxide (H_2O_2)

1.0 mg/L: bromine (Br_2)

0.5 mg/L: hypochlorite (OCl^-); peracetic acid (CH_3COOOH)

0.3 mg/L: chlorine (Cl_2)

If the sample solution has a pH value of 3–9, the reaction will take place without interferences.

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.

Note:

The test strip container stopper contains a non-toxic drying agent. If swallowed, drink plenty of water.

Disposal:

Dispose of used test strips as domestic waste.

Product data and ordering information

Type	Semi-quantitative test strips
Presentation	Tube of 100 test strips
Color reaction	yellow to olive
Gradation	0 · 4 · 8 · 15 · 25 mg/L (ppm) Active oxygen (MPS)
REF	91349

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