

# QUANTOFIX® Chromate

## Pack content:

- 1 aluminum container with 100 test strips
- 2 test tubes
- 2 bottles Chromate-1

## Safety precautions:

Chromate-1 contains nitric acid 5–20% CAS 7697-37-2. DANGER Do not breathe vapors. Wear protective gloves/eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 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.

## Additional indications:

If chromium is present as  $\text{Cr}^{3+}$ , it has to be converted to chromate prior to the test as follows: add to 10 mL of the test solution 1 spatula tip of potassium peroxodisulfate and 1 drop of a 0.1 mol silver nitrate solution, boil for 10 minutes and cool again to room temperature. Then, carry out the test as indicated in the instructions.

Conversion factor:  $\text{Cr}^{3+} = \text{CrO}_4^{2-} \times 0.45$

## Instructions for use:

1. Place the test tube into the cavity of the thermoformed mould.
2. Add 10 drops  $\text{CrO}_4^{2-}$ -1 (nitric acid).
3. Dip the test strip into the neutral to acid test solution for 1 second.
4. Shake off excess liquid.
5. Place test strip into the filled test tube.
6. Wait 30 seconds.
7. Shake off excess liquid.
8. Compare with the color scale.

If chromate ions are present, the test field turns violet.

## Interferences:

Interferences caused by molybdates are eliminated by adding 1 spatula tip of oxalic acid to the strong acid solution. Iron(III) ions are eliminated by precipitation with 32% sodium hydroxide solution.

## 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 kit 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 and reagents
Color reaction	white to violet
Gradation	0 · 3 · 10 · 30 · 100 mg/l (ppm) $\text{CrO}_4^{2-}$
REF	91301

