

# QUANTOFIX® Chromate

## Pack content:

- 1 aluminum container with 100 test strips
- 2 test tubes
- 2 bottles  $\text{CrO}_4^{2-}$ -1

## Measuring range:

Visually 3–100 mg/L  $\text{CrO}_4^{2-}$       Reflectometrically  
3–100 mg/L  $\text{CrO}_4^{2-}$       3–100 mg/L  $\text{CrO}_4^{2-}$

## Color gradation:

0 - 3 - 10 - 30 - 100 mg/L  $\text{CrO}_4^{2-}$

## Safety precautions:

Information regarding safety can be found on the box' label and in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

## 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:

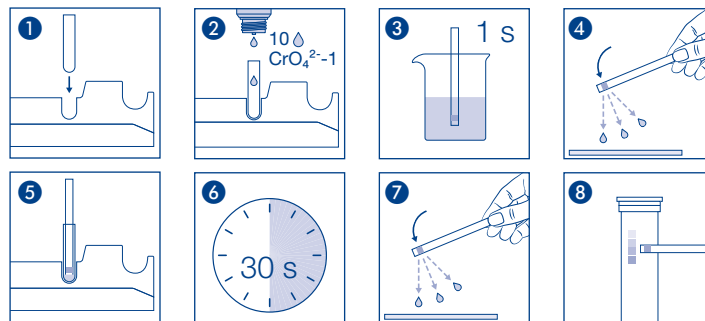
Interferences caused by molybdates are eliminated by adding 1 spatula tip of oxalic acid to the strong acid solution. Iron(III) ions are eliminated by precipitation with 32 % sodium hydroxide solution.

## Disposal:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

## Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4–30 °C). If correctly stored, the test kit may be used until the use-by-date printed on the packaging.



CTL SCIENTIFIC SUPPLY CORP. 1016-3 Grand Boulevard, Deer Park, NY 11729

Tel: 631-242-4249

Web: [www.ctlscientific.com](http://www.ctlscientific.com)

Manufacturer: Macherey-Nagel GmbH & CO. KG

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