

QUANTOFIX[®] Nickel

Pack content:

1 aluminum container with 100 test strips

Measuring range:

5–1000 mg/L Ni²⁺

Color gradation:

0 – 10 – 25 – 50 – 100 – 250 – 500 – 1000 mg/L Ni²⁺

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. Dip the test strip into the sample (pH 2–7) for 1 s.
2. Shake off excess liquid.
3. Wait 20 s.
4. Compare test field with the color scale.

The test field turns red in presence of nickel(II) ions.

Interferences:

If the reaction color does not match any color of the scale, there is interference due to larger quantities of foreign ions. Yellow-brown coloration (cobalt(II)): Immerse the test strip in diluted ammonia solution for some minutes. CAUTION: iron(II) ions interfere in ammonia solution leading to the same red coloration as nickel(II) ions. It is therefore recommended to test the solution first for iron(II), e.g. with Dipyrldyl paper (REF 907 25), and – if present – oxidize to iron(III) with nitric acid. Grey coloration (mercury(I)): add 1 spatula tip of sodium chloride to 5–10 mL of test solution. Strongly acid solutions (pH < 2) have to be buffered to a pH value of 2–7 using solid sodium acetate. Concentrated nickel(II) solutions must be diluted to bring the nickel(II) content into the measuring range of the color scale. The dilution factor must be taken into account when calculating the content.

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 with 100 test strips,
Color reaction	white to bright-red
Gradation	0 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 mg/l (ppm) Ni ²⁺
REF	91305

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