QUANTOFIX® Nickel

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Method of application:

Remove only as many test sticks as are required, and reseal the container immediately after use. Do not touch the test paper zone. Dip test stick briefly into the test solution (pH 2–7). After 20 seconds, compare the test paper zone with the colour scale. In the presence of nickel(II) ions the test paper turns red.

Interferences:

If the reaction colour does not appear on the colour scale, larger quantities of foreign ions interfere. Reacton colour brownish-yellow (cobalt (II)): soak test stick in dilute ammonia solution for a few minutes. CAUTION: Iron (II) interference in ammonia solution giving the same red reaction colour. It is recommended, if necessary, to test the solution first for iron (II) (with QUANTOFIX® Iron) and – if present – oxidize iron (II) to iron (III) with nitric acid. Reaction colour grey (mercury(I)): the test interference is eliminated by addition of a small amount of crystalline sodium chloride to 5–10 ml of the test solution. Gighly acidic solutions (pH < 2) must be buffered to a pH of 2–7 with crystalline sodium acetate. Concentrated nickel (II) solutions must be diluted so that the nickel (II) content comes within the limits of the colour scale. The dilution factor must be taken into account when calculating the nickel (II) content.

Storage:

Avoid exposing the sticks to sunlight and moisture. Store the container below +30 °C in a dry place.

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