*visocolor®ECO*Nickel



Test kit for performing colorimetric tests on nickel ions in surface water and sewage

Method:

In the presence of an oxidizing agent nickel ions react with dimethylglyoxime in an alkaline solution to form a reddish-brown complex.

Measurement range:

0.1-1.5 mg/L Ni²⁴

Contents of test kit (*refill pack):

sufficient for 150 tests

10 g Ni-1* 2 x 20 mL Ni-2*

- x 20 mL NI-2⁻ 1 measuring spoon 70 mm*
 - 2 screw-plug measuring glasses
 - 1 slide comparator
 - 1 color chart
 - 1 plastic syringe 5 mL1 instructions for use*

Hazard warning:

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*.

Instructions for use:

also refer to the pictogram on the back of the color chart

- Pour a 5 mL water sample into each of the measuring glasses using the plastic syringe.
 Place a measuring glass on position A in the comparator.
- Only add the reagent to measuring glass B.
- Add 1 measuring spoon of Ni-1, seal the glass and dissolve by swirling.
- 3. Add **5 drops of Ni-2**, seal the glass and mix.
- 4. Open the glass after 1 min and place it on position B in the comparator.5. Slide the comparator until the colors match in the inspection hole on top.
 - Slide the comparator until the colors match in the inspection hole on top.
 Check the measurement reading in the recess on the comparator reed.
 Mid-values can be estimated.
- 5. After use, rinse out both measuring glasses thoroughly and seal them.

 The reagents can be used for the **photometric evaluation** with photometer.

The reagents can be used for the **photometric evaluation** with photometer PF-12/PF-12^{Plus}.

The method can be applied also for the analysis of sea water after dilution (1+9).

Disposing of the samples:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from www.mn-net.com/SDS.

Interferences:

Complexed nickel is not detected by the measurement. It must be decomposed prior to determination.

The following ions do not interfere: ≤ 1 mg/L Mn²⁺

≤ 5 mg/L Co²⁺, Cu²⁺, Fe³⁺ ≤ 10 mg/L Cr³⁺, Zn²⁺

Storage:

Store the test kit in a cool (< 25 °C) and dry place.