visocolor® ECO

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DEHA

Test kit for performing colorimetric tests on diethylhydroxylamine in boiler water

Method:
Measurement of the reduction properties of diethylhydroxylamine for iron(III) ions and colorimetric determination of the iron(II) ions formed

Measurement range:
0.01–0.30 mg/L DEHA

Contents of test kit (*refill pack):
sufficient for 125 tests

- 30 mL DEHA-1*
- 25 mL DEHA-2*
- 2 screw-plug measuring glasses
- 1 slide comparator
- 1 color chart
- 1 plastic syringe 5 mL
- 1 instruction 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

1. Cool water sample to 20–25 °C if necessary. Turbid samples are to be filtered (membrane filter 0.45 µm, REF 91650).
2. 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.

3. Add **4 drops of DEHA-1**, seal the glass and mix.
4. Add **4 drops of DEHA-2**, seal the glass and mix.
5. Open the glass after **10 min** and place it on position B in the comparator.
6. 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.
7. After use, rinse out both measuring glasses thoroughly and seal them.

The method can be applied also for the analysis of sea water.

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:
Strictly observe the temperature and reaction time since they strongly influence the color intensity.
Iron(II) ions interfere. This interference can be taken into account when reading the value immediately after addition of reagent DEHA-2 and subtracting this value from the result.

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

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