visocolor® ECO

Hydrazine

Test kit for performing colorimetric tests on hydrazine in boiler water

Method:

Determination with 4-dimethylaminobenzaldehyde

Measurement range:

0,05–0,40 mg/L N_2H_4

Contents of test kit (*refill pack):

sufficient for 130 tests

30 mL N_2H_4-1*
27 mL N_2H_4-2*
2 screw-plug measuring glasses
1 slide comparator
1 colour chart
1 plastic syringe 5 mL
1 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***.

Procedure:

a) colorimetric determination with color chart

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 **5 drops of N_2H_4-1**, seal the glass and mix.
4. Add **5 drops of N_2H_4-2**, seal the glass and mix.
5. Open the glass after **5 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.

b) photometric determination

The reagents are also suitable for **photometric evaluation**. Please refer to the separate instructions for photometric performance.

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.

No interference will occur due to the presence of foreign matter (e.g. heavy metal ions, neutral salts, ammonia and phosphate ions), which may possibly be present in condensate, feed water or boiler water.

Storage:

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

CTL SCIENTIFIC SUPPLY CORP. 1016-3 Grand Boulevard, Deer Park, NY 11729
Tel: **631-242-4249**
Web: **www.ctlscientific.com**

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