REF 985871

en

Test 8-71 04.23
NANOCOLOR® Peroxide 2

Method:
Photometric determination of peroxides by catalytic oxidation of an indicator using peroxidase

Range:	**0.03 – 2.00 mg/L H_2O_2**
Factor:	**01.18**
Wavelength (HW = 5 – 12 nm):	**620 nm**
Reaction time:	**5 min (300 s)**
Reaction temperature:	**20 – 25 °C**

Contents of reagent set:
20 test tubes Peroxide 2
1 test tube with 5 mL Peroxide 2 R2
1 tube *NANOFIX* Peroxide 2 R3

Hazard warning:
This tube test does not contain any harmful substances which must be specially labelled as hazardous.

Interferences:
Strong oxidizing agents interfere.
The following ions will not interfere:
≤ 1000 mg/L ammonium, calcium, cadmium, manganese, EDTA, borate, chloride, nitrate, phosphate, sulphate, thiocyanate;
≤ 100 mg/L copper, nickel, silicon, nitrite, anionic surfactants;
≤ 10 mg/L chromium(VI), iron(III), mercury, cationic surfactants;
≤ 0.1 mg/L cyanide.

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

Procedure:
Requisite accessories: piston pipette with tips

Test sample	Blank value
Open test tube, add	Open test tube, add
4.0 mL test sample (*the pH value of the sample must be between pH 4 and 10)* and	**4.0 mL** distilled water and
200 µL (= 0.2 mL) R2, close and mix. Add	**200 µL** (= 0.2 mL) R2, close and mix. Add
1 ***NANOFIX*** R3, close and mix. Clean outside of test tube and measure after 5 min.	**1** ***NANOFIX*** R3, close and mix. Clean outside of test tube and measure after 5 min.

Measurement:
For *NANOCOLOR*® photometers and PF-10 / PF-11 / PF-12 see manual, test 8-71.
For each analysis a blank value is required.

Photometers of other manufacturers:
For other photometers check whether measurement of round glass tubes is possible.
Verify factor for each type of instrument by measuring standard solutions.

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