

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 <sub>2</sub> O <sub>2</sub>
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 4.0 mL test sample ( <i>the pH value of the sample must be between pH 4 and 10</i> ) and 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.	Open test tube, add 4.0 mL distilled water and 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.

**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.