

REF 985018

en

Test 0-18

08.17

NANOCOLOR® Chlorine dioxide 5

Method:

Photometric determination of chlorine dioxide with *N,N*-diethyl-1,4-phenylene diamine (DPD)

Range:	0.15–5.00 mg/L ClO ₂
Wavelength (HW = 5–12 nm):	540 nm
Reaction time:	0 min
Reaction temperature:	20–25 °C

Contents of reagent set:

20 test tubes Chlorine dioxide 5

1 tube *NANOFIX* Chlorine dioxide 5 R2

Hazard warning:

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

Interferences:

Free chlorine is not determined with this procedure and thus, does **not** interfere.

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

Procedure:

Requisite accessories: piston pipette with tips

Open test tube, add

4.0 mL sample solution (*the pH value of the sample must be between pH 4 and 10*), close and mix. Add

1 *NANOFIX* R2, close and mix.

(*Close *NANOFIX* tube immediately after use.*)

Clean outside of test tube and measure immediately.

Measurement:

For MACHEREY-NAGEL photometers see manual, test 0-18.

Measurement when samples are colored or turbid:

For all *NANOCOLOR®* photometers see manual, use key for correction value.

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.