

REF 985070

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Test 0-70 04.19

NANOCOLOR® POC 200

Polyoxycarboxylic acids

Method:

Photometric turbidity determination with Hyamine® 1622

	Tube test	Semi-micro cuvette 50 mm
Range:	20–200 mg/L POC AS 2020	–
	20–200 mg/L POC HS 2020	–
Factor:	not linear	
Wavelength		
(HW = 5–12 nm):	436 nm	
Reaction time:	10 min (600 s)	
Reaction temperature:	20–25 °C	

Contents of reagent set:

20 test tubes POC 200

2 test tubes each with 11 mL POC 200 R2

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.

Interferences:

Turbidities of sample interfere and test sample must first be filtered before the determination.

The following quantities of ions will not interfere: < 1000 mg/L Ca²⁺, Cl⁻, NO₃⁻, SO₄²⁻, PO₄³⁻; < 500 mg/L Cu²⁺; < 200 mg/L Zn²⁺; < 100 mg/L Cr(III), Fe³⁺, Mg²⁺, Mo(VI); < 5 mg/L Cr(VI).

The method can be applied also for the analysis of sea water after dilution (1+3).

Procedure:

Requisite accessories: piston pipette with tips

Application for boilers: 20–200 mg/L

Open test tube, add

1.0 mL test sample (*the pH value of the sample must be between pH 4 and 12*), close and mix.

Add

1.0 mL R2, close and mix by shaking gently.

Clean outside of test tube and measure after 10 min.

Measurement:

For NANOCOLOR® photometers and PF-12 see manual, test 0-70.

Note:

Verify calibration curve for other POC products by measuring standard solutions.

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 calibration curve for each type of instrument by measuring standard solutions.