

REF 985 085

en

Test 0-85 08.15
NANOCOLOR® Starch 100

Method:

Iodine-starch reaction

Range:	5–100 mg/L starch
Factor:	0165.
Wavelength (HW = 5–12 nm):	540 nm
Reaction time:	5 min (300 s)
Reaction temperature:	20–25 °C

Contents of reagent set:

- 19 test tubes Starch 100
- 1 bottle with 2 g Starch 100 R2
- 2 test tubes with 10 mL Starch 100 R3
- 1 measuring spoon 70 mm
- 1 test tube with blank value "NULL"

Hazard warning:

Reagent R2 contains potassium iodide 25–100 %.
Reagent R3 contains sulfuric acid 5–15 %.

For further information ask for a safety data sheet.

Interferences:

Oxidizing and reducing substances interfere with the determination.

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

Procedure:

Requisite accessories: piston pipette with tips

Open test tube, add

1 level measuring spoonful of R2, close and mix. Add

1.0 mL R3, close and shake gently. Add

4.0 mL sample solution (*the pH value of the sample must be between pH 1 and 13*), close and mix.

Clean outside of test tube and measure after 5 min.

Measurement:

For *NANOCOLOR*® photometers and PF-11 / PF-12 see manual, test 0-85.

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.