

REF 985085

en

**Test 0-85 06.18**  
**NANOCOLOR® Starch 100**

**Method:**

Iodine-starch reaction

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

**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 70–100 %.  
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 MACHEREY-NAGEL photometers 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.