

visicolor® Powder Pillows

Test 7-27

Iron

Reagent for the photometric determination of iron with 1,10-phenanthroline in surface, ground and drinking water.

Measuring range:

0.03–3.00 mg/L Fe

Method:

Photometric determination of iron ions by 1,10-phenanthroline method.

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.

Procedure:

Requisite accessories: 2 test tubes 16 mm OD (REF 91680) or 2 test tubes 24 mm OD (REF 936101)

- 1 Rinse test tube several times with sample (*pH value of sample must be between pH 2 and 13*)

Blank (optional):

- 2 Fill one test tube with 10 mL of sample
- 3 Clean test tube
- 4 Place test tube in photometer as blank value and adjust for zero

Sample:

- 5 Fill another test tube with 10 mL of sample
- 6 Add content of 1 Powder Pillow Iron
- 7 Close test tube and shake well
- 8 Clean test tube
- 9 Wait for 2 min
- 10 Measure

Alternatively, 5 mL of sample can also be used in the procedure.

Measurement:

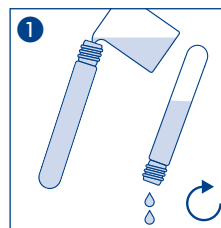
Let samples that contain rust react for 5 minutes or more.
See manual for all MACHEREY-NAGEL photometers.
After use, rinse out test tubes thoroughly and seal them.
Suitable for the analysis of sea water.

Interferences:

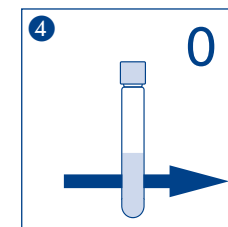
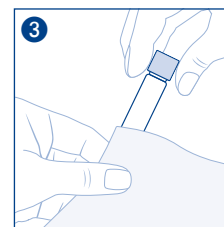
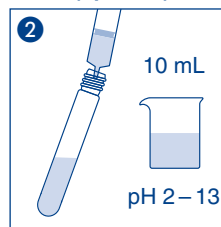
The temperature of the water sample should be between 20 °C and 30 °C.
A yellowish coloration of the powder is normal and does not influence the measurement result.

Disposal of samples:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from www.mn-net.com/SDS.



Blank (optional):



Sample:

