

visicolor® Powder Pillows

Ammonium

Reagent for the photometric determination of Ammonium in surface, ground and drinking water.

Measuring range:

0.02–0.80 mg/L $\text{NH}_4\text{-N}$ (16 mm OD)
0.01–0.50 mg/L $\text{NH}_4\text{-N}$ (24 mm OD)

Method:

Photometric determination of ammonium ions via Berthelot reaction.

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 4 and 11*)

Blank (optional):

- 2 Fill one test tube with 5 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 5 mL of sample
- 6 Add content of 1 Powder Pillow Ammonium
- 7 Close test tube and shake well
- 8 Clean test tube
- 9 Wait for 30 min
- 10 Measure

Measurement:

See manual for all MACHEREY-NAGEL photometers.

After use, rinse out test tubes thoroughly and seal them. Remains of Powder can be dissolved in weakly acidic media. Not suitable for the analysis of seawater.

Interferences:

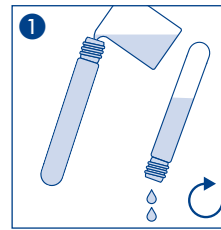
The temperature of the water sample should be between 20 °C and 30 °C.

The following will not interfere:

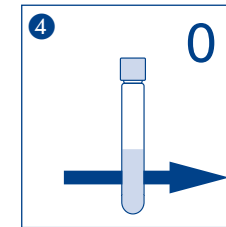
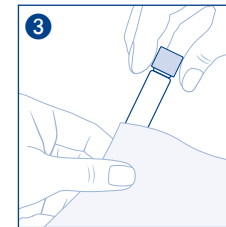
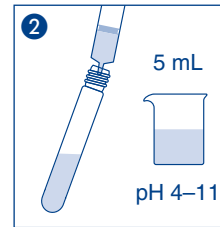
< 500 mg/L Ca^{2+} ; < 300 mg/L SO_4^{2-} ; < 100 mg/L Mg^{2+} , NO_3^- ; PO_4^{2-} ; < 10 mg/L NO_2^- ; < 2 mg/L S²⁻

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:

