visocolor® ECO
Potassium

Test kit for determination of potassium ions in surface water and sewage

Method:
Turbidity measurement with sodium tetraphenyl borate

Measurement range:
2–15 mg/L K^+

Contents of test kit (*refill pack):
sufficient for 60 tests

2 x 25	mL K-1*
12	g K-2*
1	measuring spoon 85 mm*
1	sample tube with mark
1	measuring tube 2–15 mg/L K^+
1	instructions for use*

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***.

Instruction for use:

a) visual determination

1. Rinse sample tube several times with the test sample and fill up to the graduation mark.
2. Add **15 drops K-1**, close sample tube, mix.
3. Add **1 level measuring spoon K-2**, close sample tube again and shake evenly about **30 s** until the powdered reagent is completely dissolved. The test mixture becomes more or less turbid.
4. Pour the liquid from the sample tube into the measuring tube until the black cross on the bottom of the measuring tube is no longer visible (as observed directly from above). The potassium concentration can be read off directly from the graduation on the measuring tube (bottom of meniscus).
5. Immediately after reading off the test result, rinse the sample and measuring tubes thoroughly with water (if necessary also clean with a brush).

b) photometric determination
The reagents are also suitable for **photometric evaluation**. Please refer to theseparate instructions for photometric performance.

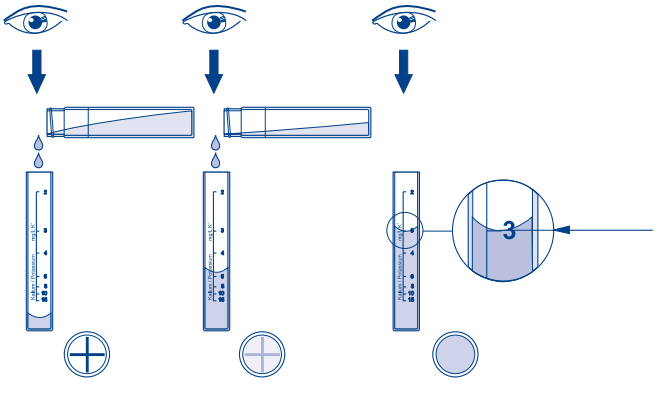
ATTENTION: Please note the different sample volume of 10 mL.

The method can also be applied for the analysis of sea water after dilution (1+1) and filtration after addition of reagent K-1.

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

Interferences:
Turbidities interfere; turbid test samples have to be filtered prior to the analysis (e. g. with membrane filtration kit 0.45 µm, REF 91650).

Storage:
Store the test kit in a cool (< 25 °C) and dry place.



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Manufacturer: **Macherey-Nagel GMbH & CO. KG** Rev: 2025-03