

# Aluminum

**Test kit for performing colorimetric tests  
on aluminum ions in surface water and sewage**

**Method:**

Determination with chromazurol S

**Measurement range:**

0.10–0.50 mg/L Al<sup>3+</sup>

**Contents of test kit (\*refill pack):**

sufficient for 50 tests

2 g Al-1\*

12 mL Al-2\*

28 mL Al-3\*

1 measuring spoon 70 mm\*

2 screw-plug measuring glasses

1 slide comparator

1 colour chart

1 plastic syringe 5 mL

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](http://www.mn-net.com/SDS).

**Instructions for use:**

also refer to the pictogram on the back of the color chart

1. Pour a 5 mL water sample into each of the measuring glasses using the plastic syringe.

Place a measuring glass on position A in the comparator.

**Only add the reagent to measuring glass B.**

2. Add **1 level measuring spoon of Al-1**, seal the glass and shake.
3. Add **4 drops of Al-2**, seal the glass and mix.
4. Add **10 drops of Al-3**, seal the glass and mix
5. Open the glass after **15 min** and place it on position B in the comparator.
6. Slide the comparator until the colors match in the inspection hole on top. Check the measurement reading in the recess on the comparator reed. Mid-values can be estimated.
7. After use, rinse out both measuring glasses thoroughly and seal them.

The method can be applied also for the analysis of sea water after dilution (1+9).

**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](http://www.mn-net.com/SDS).

**Interferences:**

The following ions will not interfere:

≤ 1000 mg/L Ca<sup>2+</sup>, Cl<sup>-</sup>; ≤ 500 mg/L Mg<sup>2+</sup>; ≤ 100 mg/L Mn<sup>2+</sup>, Ni<sup>2+</sup>, Zn<sup>2+</sup>;  
≤ 50 mg/L SO<sub>4</sub><sup>2-</sup>; ≤ 20 mg/L Mo(VI); ≤ 10 mg/L Fe<sup>3+</sup>, PO<sub>4</sub><sup>3-</sup>;  
≤ 1 mg/L Cu<sup>2+</sup>; ≤ 0,1 mg/L Cr(III), Cr(VI)

**Storage:**

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