

REF 985605.1

Robot

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Test 6-05

08.25

**NANOCOLOR® Ammonium 50****Method:**

Photometric determination as indophenol: At a pH value of about 12.6 ammonium reacts with hypochlorite and salicylate in the presence of sodium nitroprusside as catalyst to form a blue indophenol.

Range:	1.0 – 40.0 mg/L $\text{NH}_4\text{-N}$	1.0 – 50.0 mg/L $\text{NH}_4^+/\text{NH}_3$
Wavelength:	690 nm	

**Contents of reagent set:**

20 test tubes Ammonium 50 Reagent A

20 test tubes Ammonium 50 R2

**Hazard warning:**

Reagent R2 contains sodium nitroprusside 5 – 33 %.

For further information ask for a safety data sheet.

**Preliminary tests:**

If the order of magnitude of the concentration in a sample is not known, a preliminary test with QUANTOFIX® Ammonium (10 – 400 mg/L  $\text{NH}_4^+$ , REF 91315) rapidly gives this information. From the order of magnitude the required dilution can be calculated and prepared directly.

**Interferences:**

Good reproducibility is obtained in weakly polluted waters. High pollution causes errors and requires distillation prior to analysis.

The method can be applied also for the analysis of sea water.

**Analytical quality control:**

NANOCONTROL Multistandard sewage influx (REF 925012)