

REF 985 040

en

Test 0-40 **09.14**
NANOCOLOR® Fluoride 2

Method:

Photometric determination with lanthanum / alizarin complexon

Range:	0.1–2.0 mg/L F ⁻
Factor:	003.8
Wavelength (HW = 5–12 nm):	620 nm
Reaction time:	15 min (900 s)
Reaction temperature:	20–25 °C

Contents of reagent set:

20 test tubes Fluoride 2

Hazard warning:

Test tubes contain acetone 40–80 %.

For further information ask for a safety data sheet.

Interferences:

Aluminium, calcium and iron interfere with the complex formation and cause low results. Nitrate interferes > 100 mg/L NO₃⁻.

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

Procedure:

Requisite accessories: piston pipette with tips

Open test tube, add,
2.0 mL test sample (*the pH value of the test sample must be between pH 4 and 13*), close and mix.
Clean outside of test tube and measure after 15 min.

Measurement:

For *NANOCOLOR*® photometers and PF-12 see manual, test 0-40.

Photometers of other manufacturers:

For other photometers check whether measurement of round glass tubes is possible. Verify factor for each type of instrument by measuring standard solutions.

Analytical quality control:

NANOCONTROL Multistandard Metals 1 (REF 925 015)