# visocolor® ECO Fluoride

**Reagent set for the photometric determination of fluoride ions in surface and drinking water**

**Method:**

Photometric determination of fluoride with 1.8-dihydroxy-2-(4-sulfophenylazo)naphthalene-3.6-disulfonic acid (SPADNS)

**Measurement range:**

0.1–2.0 mg/L $F^-$

**Contents:**

sufficient for 75–150 tests
- 3 x 30 mL F-1
- 1 plastic syringe 5 mL
- 1 plastic syringe 1 mL
- 1 instruction 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***.

**Procedure:**

Requisite accessories: reaction tubes 16 mm OD (REF 91680)

| Sample | Blank value |
|---|---|
| 1. Rinse reaction tube 16 mm OD several times with sample and fill with **5 mL** sample *(5 mL syringe)*.<br>2. Add **0.6 mL** F-1 *(1 mL syringe)*, close and mix.<br>3. Wait for 1 min<br>4. Measure | 1. Fill reaction tube 16 mm OD with **5 mL** distilled water *(5 mL syringe)*.<br>2. Add **0.6 mL** F-1 *(1 mL syringe)*, close and mix.<br>3. Wait for 1 min<br>4. Measure |

**Measurement:** Call up method
Perform measurement

After use, rinse out both reaction tubes thoroughly and seal them.

**Interferences:**

The following ions will not interfere: < 1000 mg/L $Cu^{2+}$; < 500 mg/L $Ca^{2+}$, $Ni^{2+}$, $Zn^{2+}$; < 200 mg/L $Fe^{3+}$; < 100 mg/L $SO_4^{2-}$; < 50 mg/L Cr(III); < 20 mg/L Si(IV); < 10 mg/L Cr(VI); < 5 mg/L $PO_4^{3-}$, $Cl_2$; < 0.1 mg/L $Al^{3+}$.

Sea water requires a distillation.

**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***.

**Storage:**

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

**CTL SCIENTIFIC SUPPLY CORP.** 1016-3 Grand Boulevard, Deer Park, NY 11729
Tel: **631-242-4249**
Web: **www.ctlscientific.com**

Manufacturer: **Macherey-Nagel GMbH & CO. KG**

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