APC342
Nitrite
MR 0,6 –6,0 mg/L NO_2-N / 2 – 20 mg/L NO_2

DOC312.52.94343

Principle
Nitrites react with primary aromatic amines in acidic solution to form diazonium salts. These combine with aromatic compounds that contain an amino group or a hydroxyl group to form intensively colored azo dyes.

Range of Application
Waste water, drinking water, table water, surface water, mineral water, process analysis

Interferences

T1

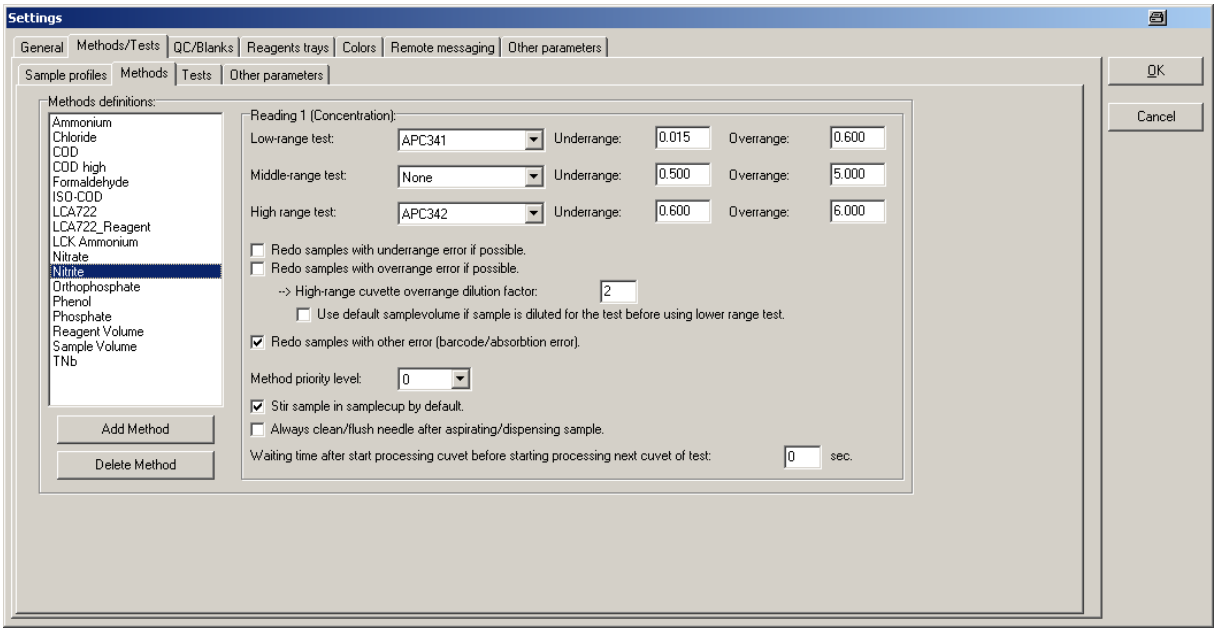
4000 mg/l:	SO_4^{2-}
2000 mg/l:	K^+, NO_3^-, Ca^{2+}, Cl^-
1000 mg/l:	NH_4^+, PO_4^{3-}
200 mg/l:	Mg^{2+}
100 mg/l:	Cr^{3+}, Hg^{2+}
50 mg/l:	Co^{2+}, Zn^{2+}, Cd^{2+}, Mn^{2+}
20 mg/l:	Fe^{3+}, Ni^{2+}, Ag^+, Fe^{2+}
10 mg/l:	Sn^{4+}

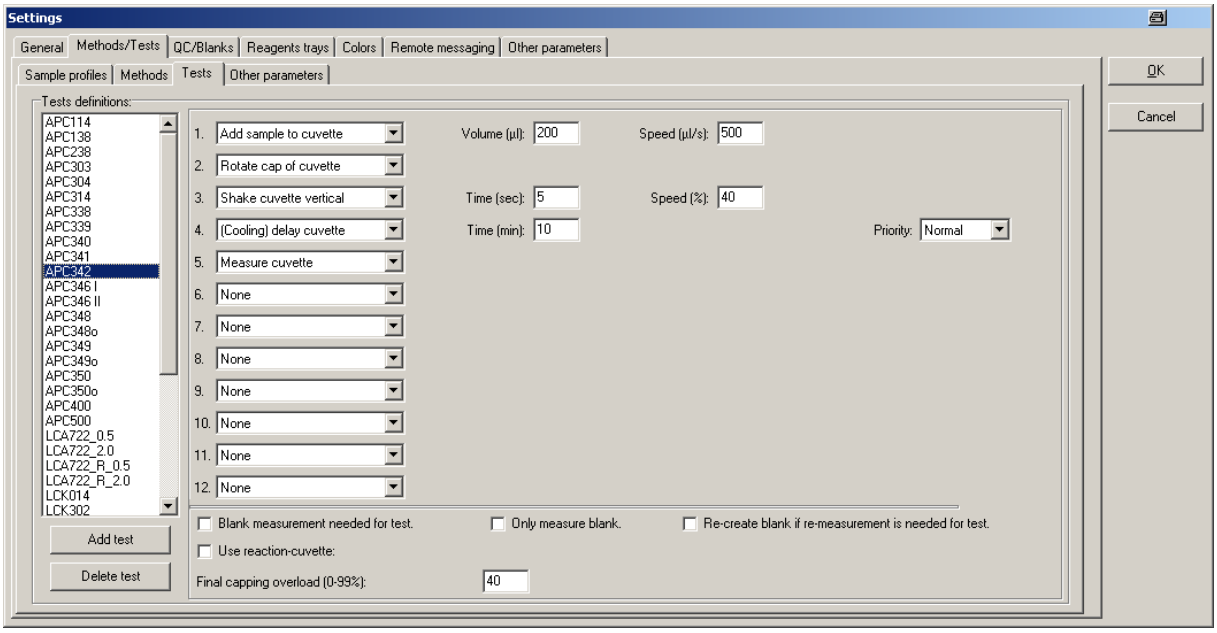
The ions listed in T1 have been individually checked up to the given concentrations and do not cause interference. We have not determined cumulative effects and the influence of other ions.

Chromium(VI) ions interfere with the determination. Copper(II) ions interfere with the determination even at concentrations below 1 mg/L.
The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Sample Volume	**0,2 mL**
Temperature Sample/sample cuvette	**15 – 25°C**
pH sample	**3 - 10**

Method Library:
APC342 is pre-programmed in the method library. Please check under Settings/Software/Application/Methods **Nitrite** and Tests **APC342**.





Run the APC342 Nitrite method

Create a Run like described in the QUICK GUIDE

- Place the APC342 cuvettes according to the settings in the Software in the cuvette racks.
- Place the samples according to the settings in the Software in the sample racks
- Check if enough Rinsing/Dilution water is available
- Initialize the AP 3900 multi and the Dispenser

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