APC339
Nitrate
MR 0,23 – 13,50 mg/L NO_3-N / 1 – 60 mg/L NO_3

DOC312.53.94340

Principle
Nitrate ions in solution containing sulphuric and phosphoric acids react with 2.6-dimethylphenol to form 4-nitro-2.6-dimethylphenol.

Range of Application
Waste water (beware of interferences!), drinking water, raw water, surface water, soils, substrates, nutrient solutions

Interferences

T1

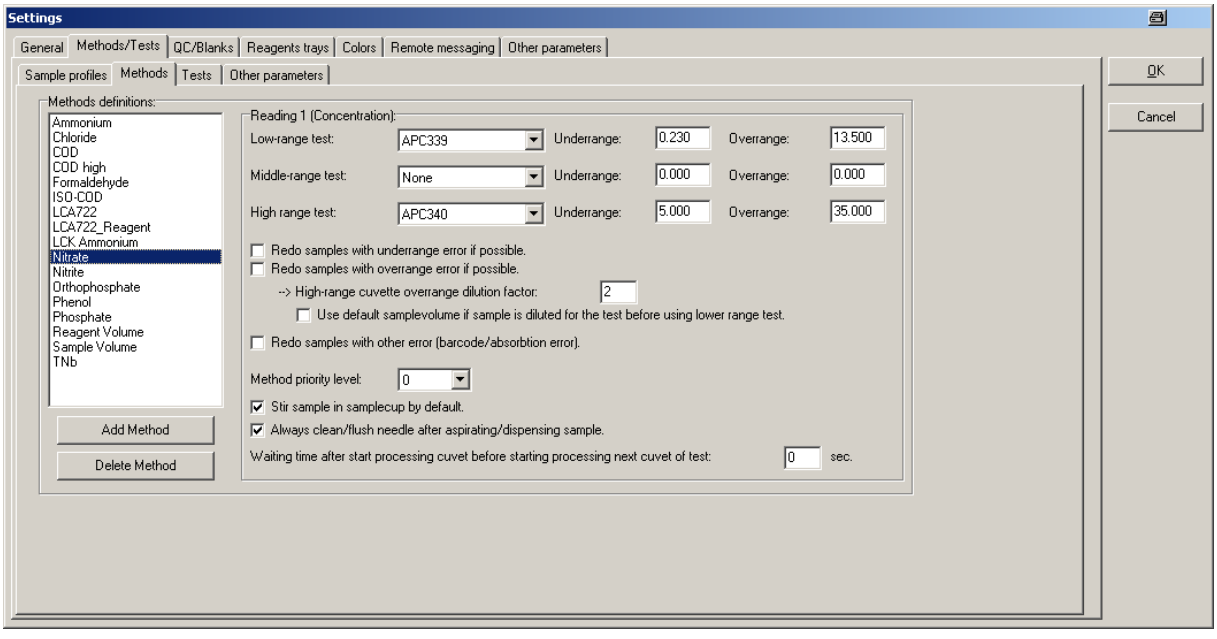
500 mg/l:	K^+, Na^+, Cl^-
100 mg/l:	Ag^+
50 mg/l:	Pb^{2+}, Zn^{2+}, Ni^{2+}, Fe^{3+}, Cd^{2+}, Sn^{2+}, Ca^{2+}, Cu^{2+}
10 mg/l:	Co^{2+}, Fe^{2+}
5 mg/l:	Cr^{6+}

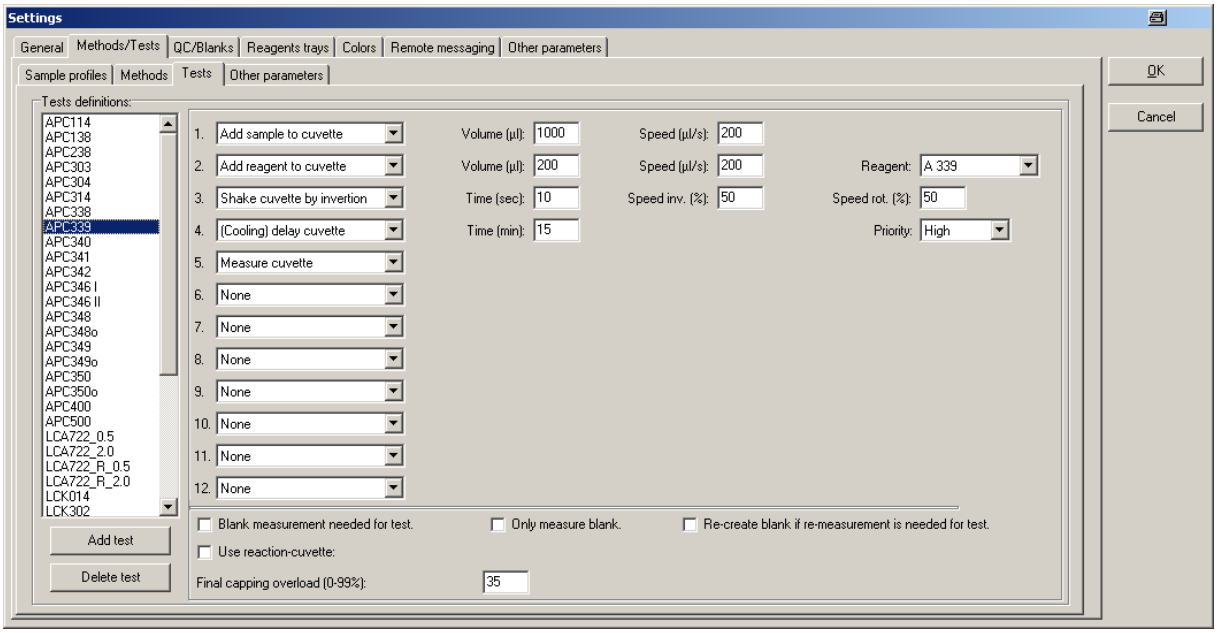
The ions listed in T1 have been individually checked up to the given concentrations and do not cause interference. We have not determined cumulative effects and the influence of other ions.0

High loads of oxidizable organic substances (COD) cause the reagent to change colour and give high-bias results. The test can thus only be used for waste water analyses if the COD is less than 200 mg/l. The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Sample Volume	**1,0 mL**
Reagent Volume	**0,2 mL**
Reagent Filling	**30 mL**
Temperature Sample/sample cuvette	**20 – 24°C**
pH sample	**3 - 10**

Method Library:
APC339 is pre-programmed in the method library. Please check under Settings/Software/Application/Methods **Nitrate** and Tests **APC339.**

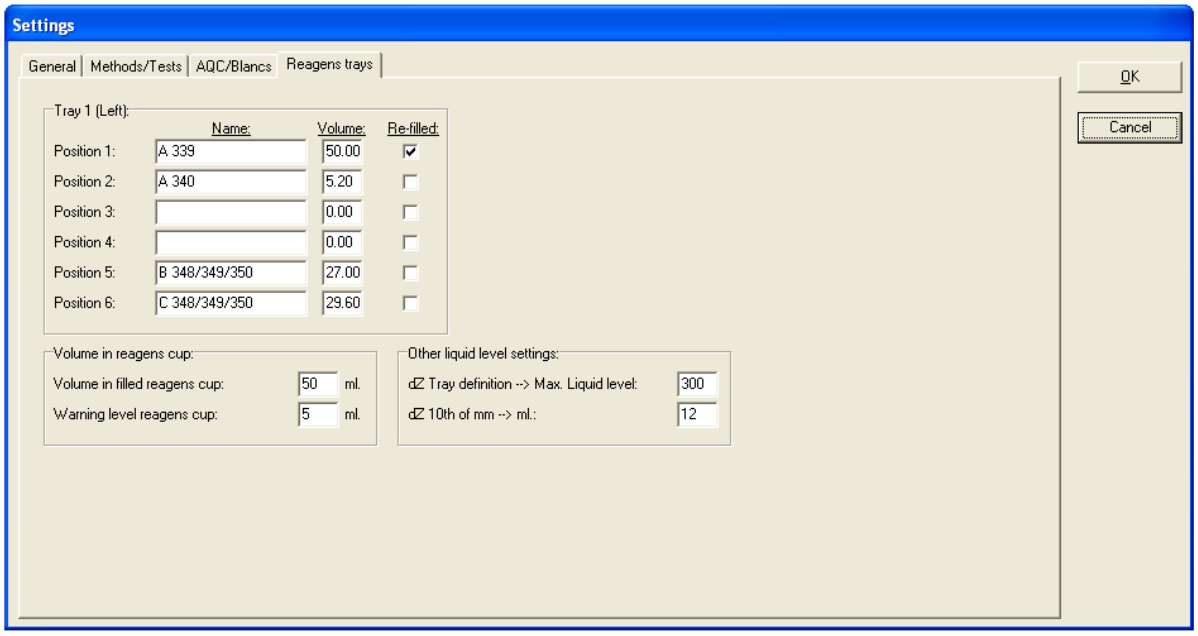




Run the APC339 Nitrate method

Create a Run like described in the QUICK GUIDE

- Place the APC339 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
- Place the Reagent A according to the settings in the Reagent trays



- Check if fresh and enough pipette tips are available
- Check if enough Rinsing/Dilution water is available
- Initialise the AP 3900 multi and the Dispenser

HACH LANGE GMBH
Willstätterstraße 11
D-40549 Düsseldorf
Tel. +49 (0) 2 11 52 88-0
Fax +49 (0) 2 11 52 88-143
info-de@hach.com
www.hach.com

© Hach Company, 2018. All rights reserved.