MR 0 - 1000 mg/L

DOC312.53.94350

Principle

Oxidizable substances react with sulphuric acid – potassium dichromate solution in the presence of silver sulphate as catalyst. Chloride is masked by mercury sulphate. The green coloration of Cr³+ is evaluated

Range of Application

Water, waste water, process analysis

Interferences

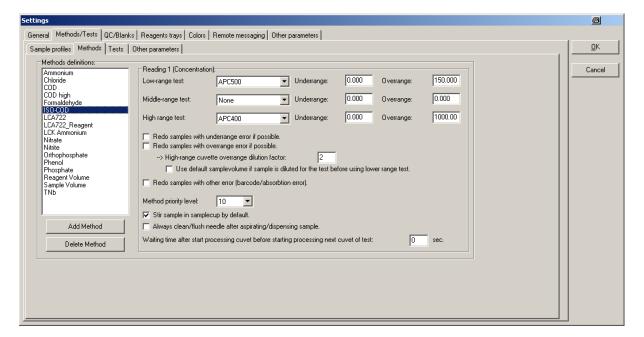
The method can be used for samples (or diluted samples) with chloride concentrations of up to 1000 mg/l.

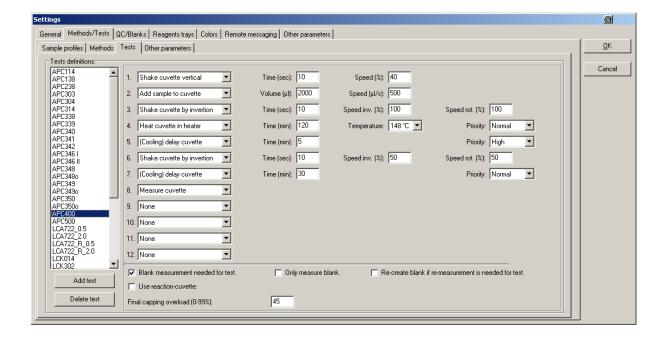
The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Sample Volume 2 mL Digestion Temperature/Time 148 °C/2h

Method Library:

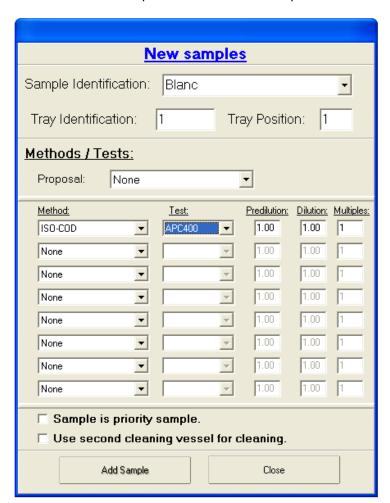
APC400 COD is pre-programmed in the method library. Please check under Settings/Software/Application/Methods **ISO-COD** and Tests **APC400**.





Note

The APC400 follows the INTERNATIONAL STANDARD ISO 15705:2002 The APC400 needs a reagent blanc measurement. The first sample needs to be defined as a **Blanc**, choose it from the drop-down menu in the Sample Identification



Run the APC400 COD method

Create a Run like described in the QUICK GUIDE

- Place the APC400 cuvettes according to the settings in the Software in the APC 400 rack.
- Place the **BLANC** in the 1. position of the sample rack
- 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 3800 multi and the Dispenser

Note: First APC 400 cuvette in the tray will be always used as a BLANC. Don't remove this cuvette during the RUN. Whenever a new BLANC is needed the AP3900 multi goes back to position 1 and reread this BLANC cuvette as "0" reference. This will always happen when the AP3900 multi switches between different methods (common for sample mode).