LCW925 Elimination of chloride from samples

DOC312.53.94368

LCW925—Sample Preparation

Scope and application:
Determination of **nitrate** in water and wastewater with a **chloride content of > 500 mg/L**
Determination of **COD** in samples with a **chloride content of > 1500 mg/L**

Test preparation

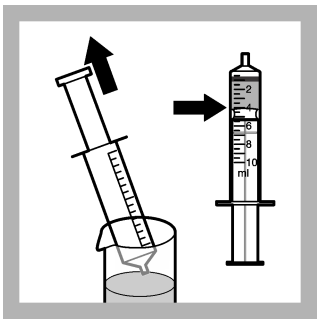
Test storage

Storage temperature: 15–25 °C (59–77 °F)

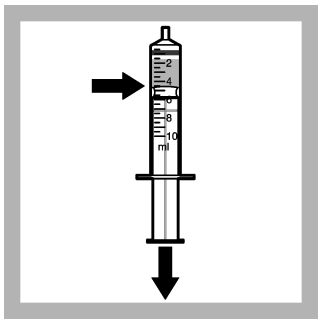
Before starting

For Special Attention
The sample preparation for eliminating chloride is not always suitable for use before the determination of COD. Its suitability should be checked beforehand. The silver chloride precipitate may adsorb organic compounds, depending on their polarity, and solids may adhere to the outside of the membrane.
These effects cause low-bias results to be obtained.
Review safety information and expiration date on the package.
Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.
Dispose of reacted solutions according to local, state and federal regulations. Refer to the Safety Data Sheets for disposal information for unused reagents. Refer to the environmental, health and safety staff for your facility and/or local regulatory agencies for further disposal information.

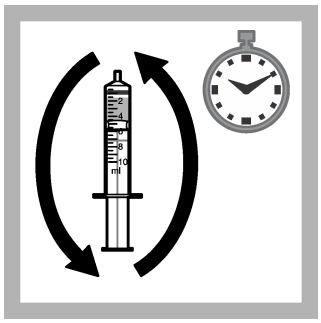
Procedure



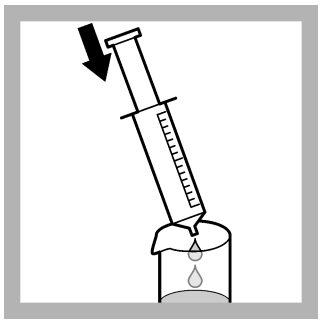
1. Draw **4.0 mL sample** into the syringe with the silver oxide.



2. Hold the syringe pointing upward and withdraw the piston another **0.5 mL** (see scale) so that air is drawn in.



3. Invert for **1 minute**.



4. Discharge the **sample** into a small beaker. Analyze the **prepared sample** by following the procedure of the cuvette test.

Summary of method

Chloride (up to 20 g/L) is precipitated as silver chloride and the precipitate is removed. The sample can then be analysed for nitrate and/or COD.

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