LCK 153 Sulphate

DOC312.53.94005

40–150 mg/L SO_4 **LCK 153**

Scope and application: For wastewater, soil, raw water, drinking water, structural concrete and process analysis.

Test preparation

Test storage

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

pH/Temperature

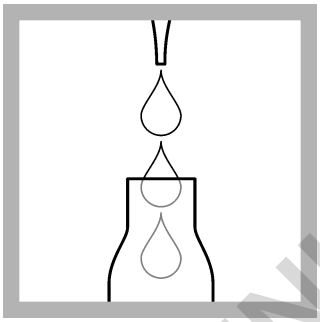
The pH of the water sample must be between pH 3–10.

The temperature of the water sample and reagents must be between 15–25 °C (59–77 °F).

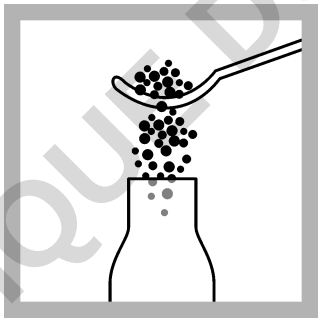
Before starting

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.

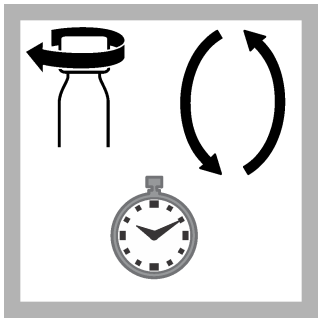
Procedure



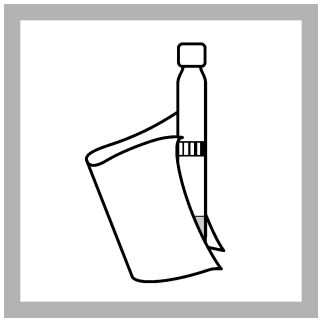
1. Carefully pipet **5.0 mL** of **sample**.



2. Add **1 dosing spoon** of **reagent A**.

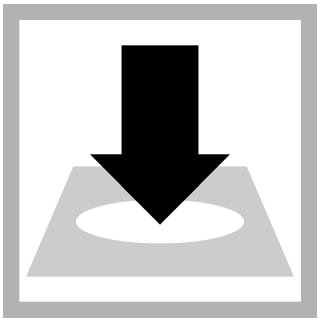


3. Close the cuvette and invert repeatedly for **2 minutes immediately**.



4. Thoroughly clean the outside of the cuvette and evaluate.

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5. Insert the cuvette into the cell holder.
DR 1900: Go to LCK/TNTplus methods.
Select the test, push **READ**.

Interferences

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

Summary of method

Sulphate ions react with barium chloride in aqueous solution to form barium sulphate, which is only sparingly soluble. The resulting turbidity is measured photometrically.

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