LCW054 Sulfite

DOC312.53.94388

0.1–5.0 mg/L SO_3^{2-} **LCW054**

Scope and application: For boiler water and foodstuffs.

Test preparation

Test storage

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

pH/Temperature

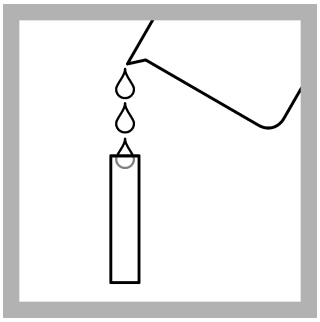
The pH of the water sample must be between pH 3–10.

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

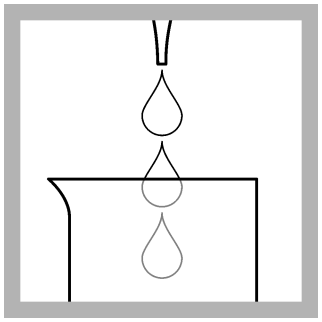
Before starting

The analysis must be carried out **immediately** after the sample has been taken.
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.

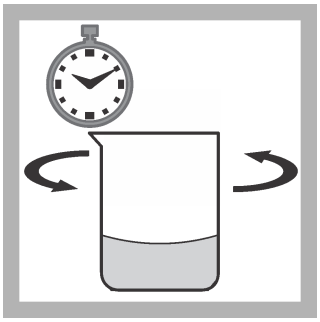
Procedure



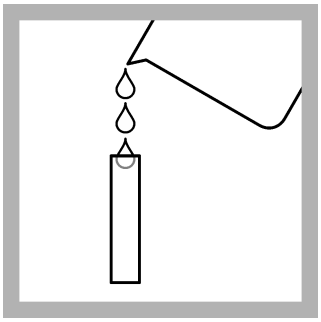
1. Blank: Fill a **10 mm rectangular cuvette** with sample.



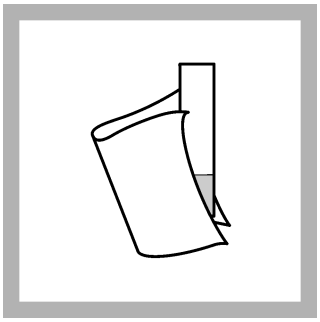
2. Sample: Pipet and add into a beaker:
10.0 mL sample,
5 drops of reagent A and
2 drops of reagent B.



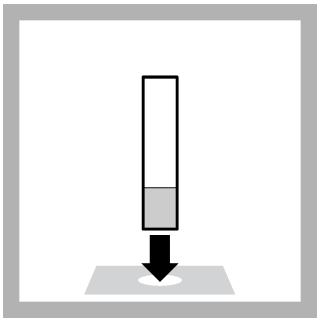
3. Mix and and allow to stand for **3 minutes**.



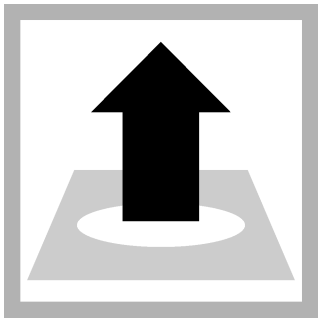
4. Transfer to a **10 mm rectangular cuvette**.



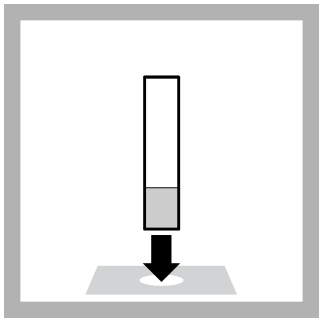
5. Thoroughly clean the outside of the cuvettes and evaluate.



6. Insert the **blank** into the cell holder.
Go to **Stored Programs**.
Select the test: push **ZERO**.



7. Remove the blank.



8. Insert the **sample cuvette** into the cell holder.
Push **READ**.

Interferences

A sulfide concentration of ≥ 5 mg/L in the sample to be analysed gives results with a slightly high bias.

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

Summary of method

The reagent reacts with sulfites to form a yellow complex.

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02/2020, Edition 1