LCK 357 Starch (soluble)

DOC312.72.94098

2–150 mg/L Starch (soluble, based on Zulkowsky) LCK 357

Scope and application: For water and process solutions.

Test preparation

Test storage

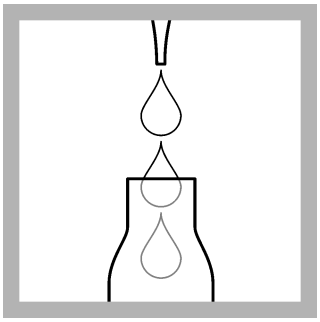
Storage temperature: 15–25 °C (59–77 °F)

pH/Temperature

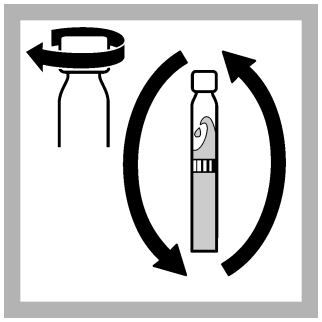
The pH of the water sample must be between pH 4–7.

The temperature of the water sample and reagents must be 22 °C (72 °F).

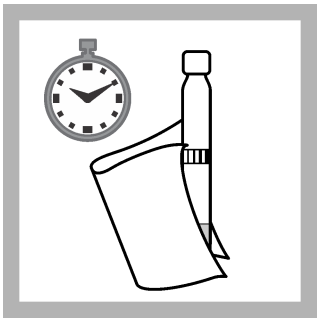
Procedure



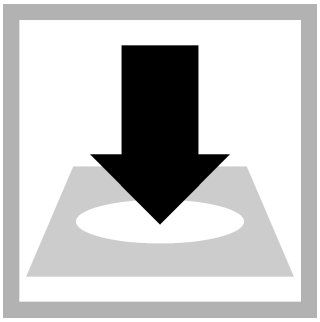
1. Carefully pipette 2.0 mL of sample.



2. Close the cuvette and invert a few times.



3. After 10 minutes, thoroughly clean the outside of the cuvette and evaluate.



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

Interferences

The analyzed sample should be colorless and free of turbidity. A slight coloration can be allowed with the help of a sample-specific blank value (0.4 mL of distilled water + 2.0 mL of sample). Pass the sample through a membrane filter (LCW 904) to eliminate turbidity.

The recovery of starch depends on the production process and type of the used starch. In some cases, do a special calibration with the used starch and recalculate the displayed result.

Summary of method

Dissolved starch reacts with iodine to form a blue inclusion complex, which is photometrically evaluated.

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