LYW 185 Menthol

DOC312.53.94105

0.5–15.0 mg/100 mL Menthol LYW 185

Scope and application: For tobacco.

Test preparation

Test storage

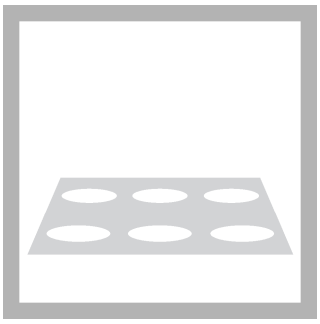
Storage temperature: 4–8 °C (39–46 °F)

Before starting

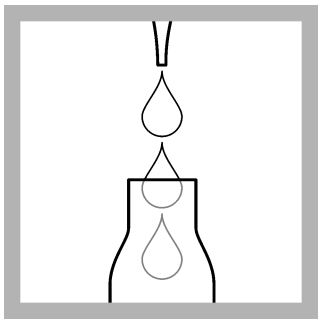
The calibration has been conducted with ethanolic standard solutions (refer to *Manual Method*, January 1994, 6a–8a for the determination of menthol in tobacco). It is recommended to conduct the separation of menthol (distillation) with ethanol.

For reasons of quality and safety conduct the analysis with original accessories only.

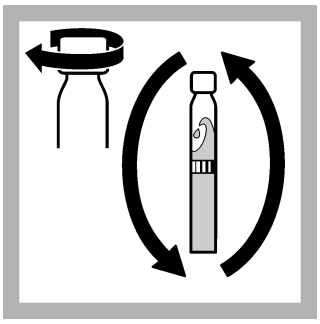
Procedure



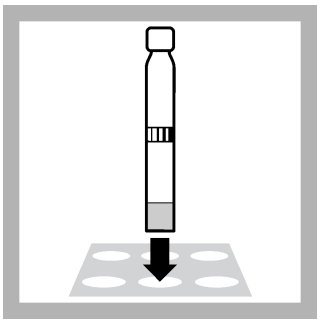
1. Preheat the thermostat to 100 °C (212 °F).



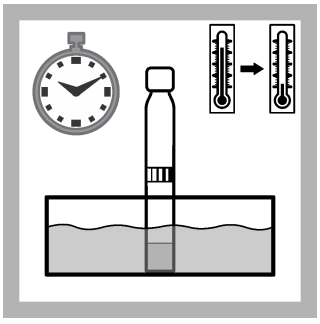
2. Carefully pipette 0.5 mL of sample.



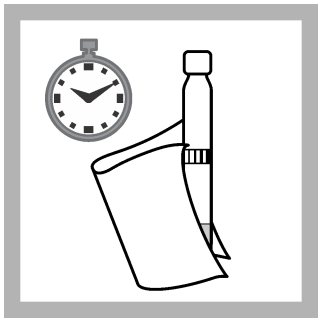
3. Close the cuvette and invert a few times.



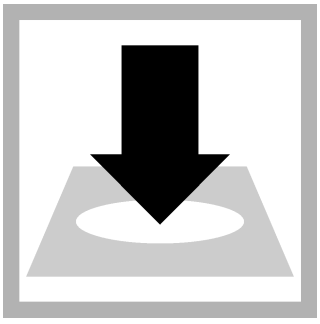
4. Heat in the thermostat for 5 minutes at 100 °C (212 °F).



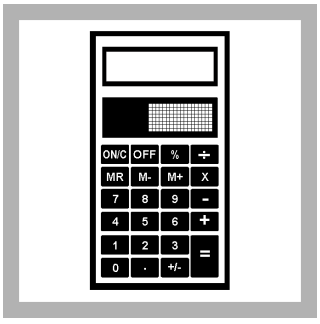
5. Cool for 1 minute with cold water.



6. After 5 minutes, thoroughly clean the outside of the cuvette and evaluate.



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



8. Recalculation of the result in %:
Result × 10 ÷ Weighing (g) = % Menthol

Summary of method

Menthol reacts with p-Dimethylaminobenzaldehyde to form a red compound that is measured photometrically.

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