

QUANTOFIX® Free Fatty Acids

Description:

QUANTOFIX® Free Fatty Acids are test strips for the semi-quantitative determination of free fatty acid content (= % FFA) in fry oil or fat ranging from 0–3 % FFA.

Contents:

1 aluminum tin with 50 test strips

Measuring range:

Visual

0.25–3 % FFA

Color gradations:

0 · 0.25 · 0.5 · 1 · 2 · 3 % FFA

Reaction principle:

Free fatty acids react with a pH indicator system, which causes the color to change from blue to yellow depending on the concentration of fatty acids.

General information:

Always remove only the number of test strips needed. Immediately close the tin after removing test strips. Do not touch the test field.

Hazard warnings:

This test does not contain any hazardous substances subject to labeling requirements.

Instructions for use:

1. Dip test strips into the collected sample for 2 seconds (sample temperature: 25 °C/77 °F or 160 °C/320 °F).
2. Do not shake the sample off of the test strips.
3. Select the reaction time depending on the sample temperature:
 - 25 °C/77 °F: 300 s
 - 160 °C/320 °F: 30 s
4. View the side of the strip marked by arrows. Compare the test field to the color scale, while taking care not to set the test strips down.

Interpretation:

In the presence of free fatty acids, the color of the test field will change to green and then yellow. Discolorations after the reaction time should no longer be taken into consideration for the interpretation.

Quality control:

Prepare a solution consisting of 1 g oleic acid (acid value = 200) and 99 g of standard oil. The free fatty acid content of this solution corresponds to 1 % FFA. Analyze this standard solution as described in these instructions for use.

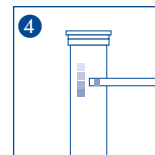
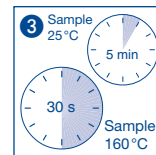
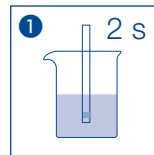
Disposal:

Dispose of used test strips in household waste.

Storage conditions:

Protect test strips from sunlight and moisture. Store the tin in a cool, dry location (storage temperature 4–30 °C).

If stored properly, the test strips will remain stable until the printed expiration date.



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