

ANTIMONY Test Paper



for the rapid determination of antimony(III) ions

Colour reaction:

In the presence of antimony(III) ions the test paper shows an orange-red spot on yellow background.

Presentation:

Plastik boxes of 200 strips, measuring 20 x 70 mm each.

Method of application:

Apply a drop of the hydrochloric acid test solution of maximum 1 N acidity to the test paper. Thereafter, the test paper is submerged in 1 N HCl, containing not more than 6% H_2O_2 . An orange-red spot or ring (in the presence of small quantities of Sb) after the paper has been submerged in the test solution, indicates the presence of antimony. If antimony in only minute amounts is present, the reaction colour fades after ten seconds.

The test paper detects trivalent antimony only. In the presence of pentavalent antimony, the latter must be reduced to trivalent antimony using metallic magnesium.

Limit of sensitivity: 5 mg/l Sb(III)

Interferences:

The test paper is specific for the determination of antimony. Colour reactions resulting from the presence of other metal ions disappear when the paper is submerged in a mixture of HCl and HCl- H_2O_2 .