

DIPYRIDYL Paper

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for the rapid determination of ferrous ions

Colour reaction:

In the presence of Fe(II)-ions a red spot appears on white background.

Method of application:

Apply a drop of the weak mineral acid test solution (> pH 2) to the test paper. In the presence of Fe(II)-ions a red spot appears, or in the presence of small quantities of Fe(II)-ions a red ring.

Limit of sensitivity: 2 mg/L Fe(II)

Interferences:

The paper is specific for the determination of Fe(II)-ions. A few other metals result in pale discolourations of the test paper, but these are covered by the colour reaction of the ferrous ions. Fe(III)-ions result in a pale yellow reaction. In the presence of substantial quantities of Fe(III)-ions and small quantities of Fe(II)-ions, the Fe(III)-ion can be masked by the addition of small quantities of NaF.