

POTASSIUM IODIDE

STARCH paper

for determination of nitrite and
free chlorine

Colour reaction:

The test paper shows blue-violet spots or rings on a white background.

Method of Application:

a) Detection of nitrite

One drop of the acidic sample solution ($\text{pH} < 2$) is applied to the test paper. At the place of application a blue-violet spot (for high nitrite concentrations) or a blue-violet ring (for low nitrite concentrations) is formed, which however disappears within a few seconds. Thus immediate evaluation is necessary.

Limit of sensitivity: 1 mg/L nitrite (NO_2^-).

b) Detection of free chlorine

One drop of the neutral sample solution ($\text{pH} 6-7$) is applied to the test paper. At the place of application a blue-violet spot (for high chlorine concentrations) or a blue-violet ring (for low chlorine concentrations) is formed, which however disappears within a few seconds. Thus in this case too, immediate evaluation is necessary.

Limit of sensitivity: 1 mg/L free chlorine (Cl_2).

Interferences:

All oxidizing reagents, which can liberate iodine from potassium iodide (KI), also show a positive reaction.

Product data and ordering information

Type	Qualitative test paper
Presentation	Reel of 5 m (16' 5") length and 7 mm (0.3 in) width
Color reaction	white to blue-violet
Limit of sensitivity	1 mg/l (ppm) NO_2^- / 1 mg/l (ppm) free Cl_2
REF	90754

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