

Method of application:

Remove only as many test sticks as are required, and reseal the container immediately after use. Do not touch the test paper zones. Dip test stick briefly (approx. 1 second) into the test solution (pH 1-9). After 60 seconds, compare the test paper zones with the colour scale. In the presence of nitrate the outer test paper turns red. The second reaction zone on the strip shows the nitrite concentration.

Interferences (Nitrate):

The upper test paper (nearer to the holding of the stick) serves as a warning zone which indicates interfering nitrite. To remove the nitrite interference, mix 10 ml of the test solution with 1 spoon amidosulphonic acid (Cat. No. 918973), shake repeatedly and test for nitrate after 2 minutes. In this way 10 mg/l nitrate can be determined in the presence of 1000 mg/l nitrite.

Interferences (Nitrite):

Buffer strongly acidic solutions with sodium acetate and adjust strongly alkaline solutions to about pH 3-5 with citric acid. The following ions will only interfere in larger concentrations:

> 1000 mg/l Br^- , BrO_3^- , Cl^- , ClO_3^- , ClO_4^- , F^- , J^- , $\text{Mo}_7\text{O}_{24}^{6-}$, NO_3^- , OCN^- , PO_4^{3-} , SO_3^{2-} , SO_4^{2-} , SeO_3^{2-} , WO_4^{2-} , Acetate, oxalate, tartrate, citrate, succinate, Ag^+ , Al^{3+} , As^{3+} , Ba^{2+} , Be^{2+} , CO^{2+} , Cd^{2+} , Cr^{3+} , Cu^{2+} , Hg^{2+} , K^+ , Li^+ , Mg^{2+} , Mn^{2+} , Na^+ , Ni^{2+} , Pb^{2+} , Sb^{3+} , Tl^+ , Zn^{2+} , > 250 mg/l $\text{S}_2\text{O}_3^{2-}$, $\text{S}_2\text{O}_5^{2-}$, > 100 mg/l $[\text{Fe}(\text{CN})_6]^{4-}$, $\text{S}_2\text{O}_4^{2-}$, SCN^- , Ascorbate.

Storage:

Avoid exposing the sticks to sunlight and moisture. Store the container below +30°C in a dry place.