Nitrite Test Kit

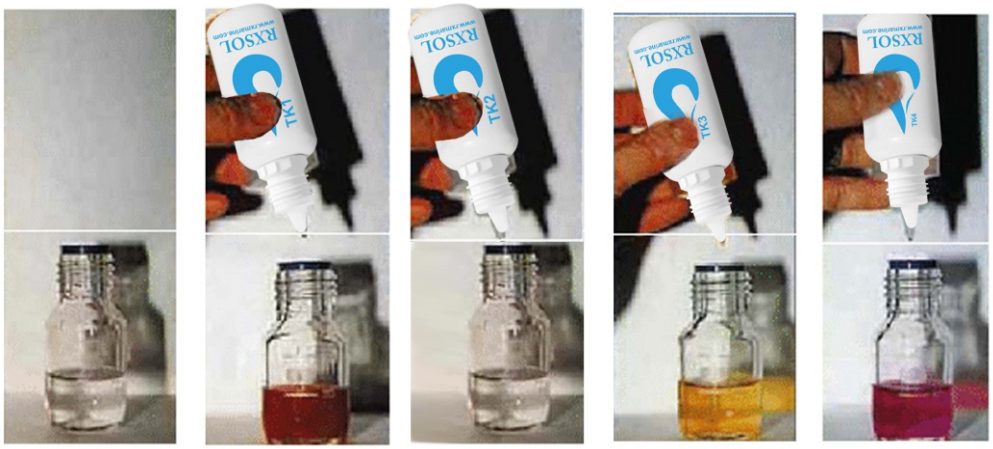
PROCEDURE for test (STEP WISE):

1) Measure 1 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER , with the help of syringe / pippet and diluted with Distilled Water up to 10 ml.

2) Add 1-2 drops of **RXSOL TK5** and mix with the stirring rod , to obtain ORANGE / light reddish colour.

3) Add **RXSOL TK6** drop by drop , mixing with the stirring rod until For endpoint ORANGE to BLUE / GREENISH colour just appears / develop.

Chloride Test Kit



PROCEDURE for test (STEP WISE):

1) Measure 15 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER

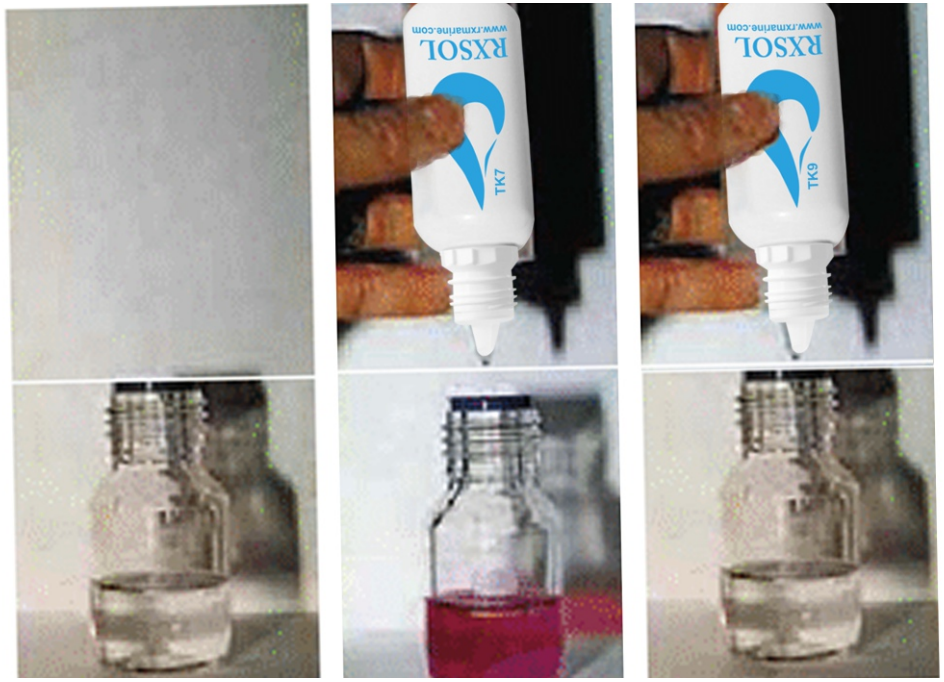
2) Add 1-2 drops of **RXSOL TK1** and mix with the stirring rod , If sample turns red / PINK then follows 3rd step otherwise if sample remains colourless proceed to step 4.

3) Add **RXSOL TK2** drop by drop , mixing with the stirring rod until colour just disappears.

4) Add 3 drops of **RXSOL TK3** and mix with stirring rod , the sample will turn YELLOW.

5) Add**RXSOL TK4** carefully by counting drop by drop and mixing throughly until a light reddish / pink / brown colour develop.

Alkalinity Test Kit (p & m Total)



PROCEDURE for p-ALKALINITY test (STEP WISE)

1) Measure 10 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER

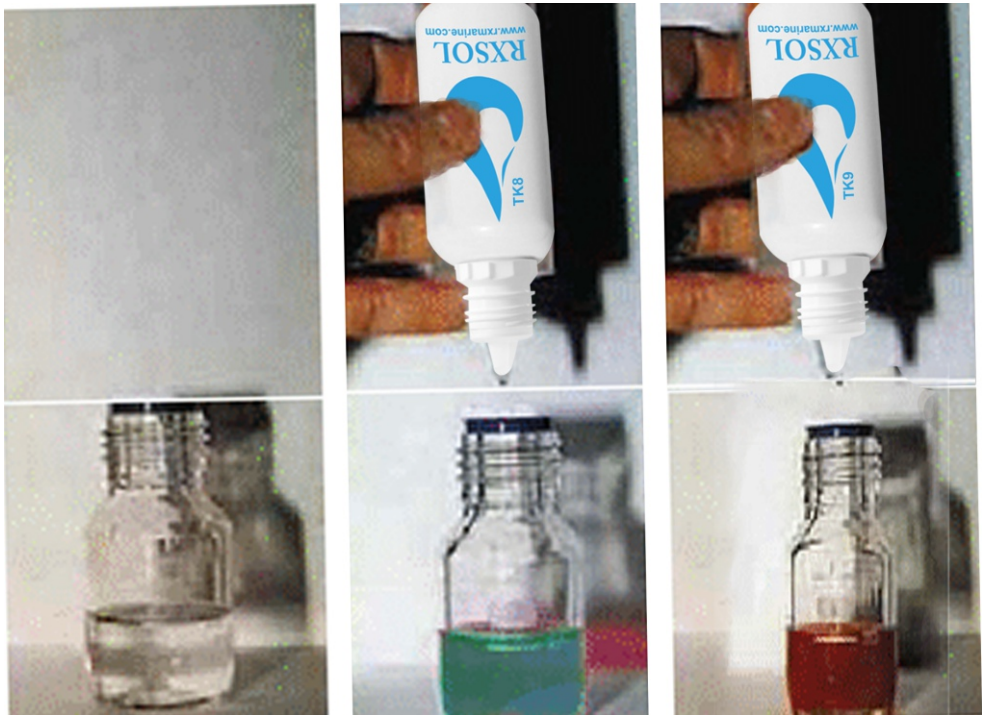
2) Add 1-2 drops of **RXSOL TK7** and mix with the stirring rod , If sample turns red / PINK (which indicates presence of p-Alkalinity) then follows 3rd step otherwise *if sample remains colourless (Record p-Alkalinity = 0)* .

3) Add **RXSOL TK9** drop by drop (by counting) , mixing with the stirring rod until colour just disappears. Each drop is equivalent to 25 ppm of p-Alkalinity, expressed as $CaCO_3$

RESULT Each DROPS is equivalent to 25 PPM of p-Alkalinity.

NOTE p-Alkalinity VALUE = 25 X (Total Number of DROPS of **TK**9, during 3rdstep)

Alkalinity Test Kit (p & m Total)



PROCEDURE for m-ALKALINITY test (STEP WISE)

1) Measure 10 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER

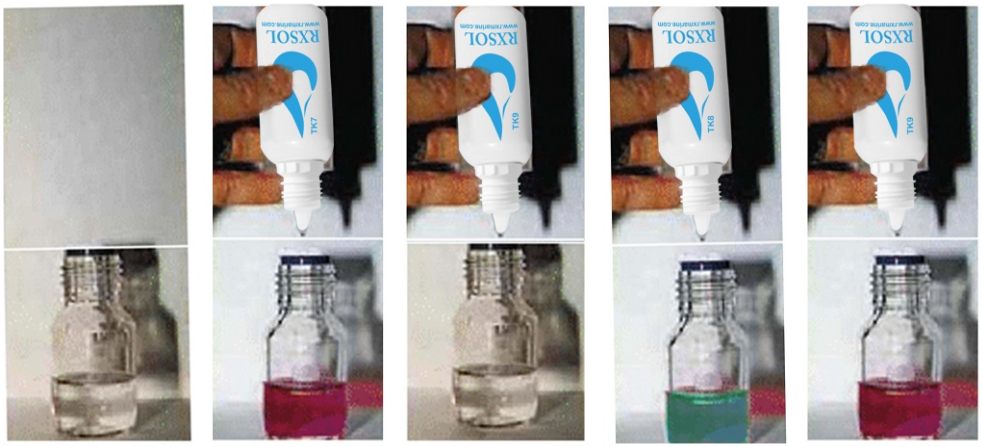
2) Add 2-3 drops of **RXSOL TK8** and mix with stirring rod , the sample will turn to BLUISH-GREEN .

3) Add **RXSOL TK9** carefully by counting drop by drop and mixing throughly until a light reddish (salmon) pink colour develop.

RESULT : Each DROPS is equivalent to 25 PPM of m- Alkalinity

m-Alkalinity VALUE = 25 X (Total Number of DROPS of TK9 , during 1.3 step)

Alkalinity Test Kit (p & m Total)



TOTAL ALKALINITY (VALUE of A + VALUE of B)

1) Measure 10 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER

2) Add 1-2 drops of **RXSOL TK7** and mix with the stirring rod , If sample turns red / PINK (which indicates presence of p-Alkalinity) then follows 3rd step otherwise if sample remains colourless (Record p-Alkalinity = 0) then proceed to STEP- 4.

3) Add **RXSOL TK9** drop by drop (by counting), mixing with the stirring rod until colour just disappears. Each drop is equivalent to 15 ppm of p-Alkalinity, expressed as $CaCO_3$

4) Add 2-3 drops of **RXSOL TK8** and mix with stirring rod , the sample will turn to BLUISH-GREEN .

5) AddRXSOL TK9 carefully by counting drop by drop and mixing throughly until a light reddish (salmon) pink colour develop.

RESULT Each DROPS is equivalent to 25 PPM of Alkalinity

p-Alkalinity ppm $CaCO_3$VALUE = 25 X (Total Number of DROPS of TK9 , during 2.3 step) = **X** (Say)
m-Alkalinity ppm $CaCO_3$VALUE = 25 X (Total Number of DROPS of TK9 , during 2.5 step) = **Y** (Say)

Total Alkalinity ppm $CaCO_3$VALUE = X+Y