



## Nitrite - AQUA-XL Water Analysing Kits

### A) Test Range: 0,0.25,0.5,1,1.5,2.5,5 ppm as $\text{NO}_2$

- 1) Take 0.3 ml sample to be tested in the 10 ml flat bottom test jar with the help of syringe and dilute it up to 10 ml mark with distilled/deionized water. (If distilled water is not available, use nitrite free drinking water for dilution).
- 2) Add 2 drops of Nitrate NT-1. Mix well by swirling the jar.
- 3) Add 1 flat spoonful of Nitrate NT-3. Mix well by swirling the jar till powder dissolves completely.
- 4) Wait for 5 minutes.
- 5) Now place this test jar on the yellow rectangular strip of the colour chart and match with different colours.  
(View from top side vertically downwards). Note down the ppm level of Nitrite as  $\text{NO}_2$  after colour comparison  
Note: The colours are best matched in a day light.  
(For example, in presence of light coming from window)

### B) Test Range: 0,0.025,0.05,0.1,0.15,0.25,0.5 ppm

Instead of 0.3 ml sample take 3 ml sample in step no.1 and follow test procedure as given above.  
Divide obtained reading by 10.

Nitrite  
Code : XL-107  
Range : 10 - 200 as NO<sub>2</sub>

**AQUA-XL**  
Water Analyzing Kits

**Directions for use - I**

1. Take 5 ml of water sample to be tested in the Test jar.
2. Add 1 drop of Reagent NI-1 and mix well.
3. Now add Reagent NI-2 drop wise, counting the number of drops while mixing until the **PALE BLUE or BLUISH GREEN** colour appears.  
Note down the number of drops of Reagent NI-2 required.

**Calculations**

Nitrite as ppm NO<sub>2</sub> = 10 X Number of Drops of Reagent NI - 2.

# If the expected Nitrite is more than 200 ppm then follow Direction for use – II .  
(To Convert NO<sub>2</sub> To NaNO<sub>2</sub> Multiply NO<sub>2</sub> Reading by 1.5)

Note: Below 20 ppm this method does not give accurate reading.

p.t.o.

Nitrite  
Code : XL-107  
Range : 100 - 2,000ppm as NO<sub>2</sub>

**AQUA-XL**  
Water Analyzing Kits

**Directions for use -II :**

1. Take 0.5 ml of water sample to be tested with the help of syringe in the Test jar. Dilute to 5 ml mark with raw water (preferably distilled or DM water).
2. Add 1 drop of Reagent NI-1. Mix contents well.
3. Now add Reagent NI-2 drop wise, counting the number of drops while mixing until the **PALE BLUE or BLUISH GREEN** colour appears.  
Note down the number of drops of reagent NI-2 required.

**Calculations**

Nitrite as ppm NO<sub>2</sub> = 100 X Number of Drops of Reagent NI - 2.

(To Convert NO<sub>2</sub> To NaNO<sub>2</sub> Multiply NO<sub>2</sub> Reading by 1.5)

Note: Below 200 ppm this method does not give accurate reading.