

Magnesium

Code : XL-311

Range : 6.1 – 244 as Mg & 10 – 400 as Ca (ppm)

AQUA-XL

Water Analyzing Kits

Directions for use - I

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1. Mix well to dissolve.
3. Add 5 drops of Reagent TH-2 and mix well.
4. If colour turns blue, it indicates there is no hardness in the water.
5. If colour turns red, it indicates there is hardness.
6. Now drop wise add Reagent TH- 5, counting the number of drops while mixing until the colour changes from RED to BLUE. Note down the number of drops of TH- 5 required as 'A'. Discard this solution.
7. Now again take 10 ml of water sample to be tested in the clean test jar.
8. Add 7 drops of Reagent CH-1 and mix well.
9. Add 1 micro spoon full of Reagent CH-2. Mix well to dissolve.
10. Now drop wise add Reagent TH-5, counting the number of drops while mixing until the colour changes from RED to BLUISH VIOLET. Note down the number of drops of TH- 5 required as 'B'.

Calculations: Magnesium Hardness as ppm Mg = (A – B) x 6.1

Calcium Hardness as ppm Ca = B x 10 (P.T.O.)

Magnesium

Code : XL-311

Range : 30.5-1220 as Mg & 50-2000 as Ca (ppm)

AQUA-XL

Water Analyzing Kits

Directions for use - II

1. Take 2 ml of water sample to be tested in the Test jar.
2. Add approx. half micro spoon full of Reagent TH-1. Mix to dissolve.
3. Add 1 drop of Reagent TH-2 and mix well.
4. If colour turns blue, it indicates there is no hardness in the water.
5. If colour turns red, it indicates there is hardness.
6. Now drop wise add Reagent TH- 5, counting the number of drops while mixing until the colour changes from RED to BLUE. Note down the number of drops of TH- 5 required as 'A'. Discard this solution.
7. Now again take 2 ml of water sample to be tested in the clean test jar.
8. Add 2 drops of Reagent CH-1 and mix well.
9. Add approx. half micro spoon full of Reagent CH-2. Mix to dissolve.
10. Now drop wise add Reagent TH-5, counting the number of drops while mixing until the colour changes from RED to BLUISH VIOLET. Note down the number of drops of TH- 5 required as 'B'.

Calculations: Magnesium Hardness as ppm Mg = (A – B) x 30.5

Calcium Hardness as ppm Ca = B x 50