



EASY TEST KIT (For Water Hardness Checking)

1. The Easy Test kit contains 3 Nos. hardness reagent chemical bottles, 100 mls each of HRP No. 1, No. 2, and No. 3.
2. The Easy Test kit is very much useful for instant checking water hardness by the Operators / Supervisors on the shop floor without using any lab equipments and without any complicated calculations and thus helps strict and regular control on treated water Quality.

PROCEDURE FOR USING EASY TEST KIT FOR CHECKING WATER HARDNESS:

A. CHECKING SOFT WATER HARDNESS :

1. Take 25 mls. Soft water in a beaker / Test tube.
2. Add 4 – 5 Drops of hardness reagent HRP No.1
3. Add 1 – 2 Drops of hardness reagent HRP No.2 until colour changes to RED.
4. Now add hardness reagent HRP No.3 drop by drop, shake after each drop until the colour changes from RED to BLUE.
5. Count the drops of reagent HRP No. 3 added.

One Drop of HRP No. 3 = 1 ppm hardness as CaCo₃

B. CHECKING RAW WATER HARDNESS:

1. Take 5 mls Raw Water sample.
2. Add 4 – 5 Drops of HRP No.1
3. Add 1 – 2 Drops of HRP No. 2 until colour changes to RED
4. Add HRP No 3 drop by drop, until the colour changes from RED to blue

One Drop of HRP No. 3 = 6.5 ppm Hardness as CaCo₃

- NOTE :**
1. It is important that reagent bottle's caps are not interchanged, precaution must be taken about this.
 2. Store / keep in shed.
 3. Shelf life of HRP No. 2 is 3 months.
 4. BLUE Colour, after HRP No. 2 addition, indicates ZERO Hardness in the water sample.