ORTHOPHOSPHATE
0.1, 0.2, 0.5, 1.0, 2.5, 5.0, 7.5, 10 ppm

AE311

Directions for Use:
1.Take 10 ml of cooled, filtered and prepared * sample in the tube supplied.
2.Add 5 drops of LPR 1. Mix the contents.
3.Add 3 drops of LPR 2. Mix the contents.
4.Shake well and keep for ten minutes. This is now "S".
5.In another tube fill DM water (clear colourles water / filtered prepared sample) upto 10 ml mark. This is now "B".
6.Read the ppm Orthophosphate as follows:
a)Place the Tube 'B' on blue circle and Tube 'S' on the white circle next to each other.
b)View from top of both the tubes and observe the circles.
c)Arrive at the appropriate reading by moving both the tubes together from one concentration to another. Match the correct colour and read the ppm ORTHOPHOSPHATE as PO4 from the colour chart.

* Preparation of Sample
1.Water pH should be preferably neutral. Neutralize the highly alkaline sample to phenolphthalein end point before testing.
2.In case of sample having colour tint; take 50 ml of this sample, add 1-2 gram of OP2 and boil till contents turn colourless. Cool and make up to 50 ml using distilled water. Filter through No.42 paper and proceed for estimation of phosphate. If the sample cannot be decolourized, do the following:
a)Take the original water sample in the comparator tube and read the ppm Phosphate as per the procedure in No.6 above.
b)This ppm reading has to be subtracted from the reading of the tested sample.
c)Determine chloride in the sample. If necessary, dilute the sample to maintain the chloride to less than 75 ppm Chloride.
For controlled addition of drops, follow instructions on the dispenser.