

Phosphonate
5-100 & 50-1000 ppm

AE401

Directions for Use:

1. Take 10 ml. of filtered water sample to be tested in the test jar.
 2. Add 2 drops of SQ 1. Mix well.
 3. Adjust pH of the sample between 2 to 3 by drop wise addition of SQ 2 Use pH paper.
 4. Add one spoonful (provided herewith) of SQ 3 powder. Mix well. Then the sample turns yellow.
 5. Now drop wise* add SQ 4#, counting the number of drops while mixing, until the colour changes from yellow to redish orange. Note the number of drops added. Say (S).
 6. Repeat the procedure given above with the raw water or makeup water blank. Note the number of drops added say (B)
- # If the expected Phosphonate of the sample is more than 100 ppm, then use SQ5 instead of SQ4.

Calculations:

$$\begin{aligned} \text{Phosphonate ppm as HEDP} &= 5 \times (S - B) \\ &= 5 \times (\text{Number of drops of SQ 4 for sample}) - (\text{Number of drops of SQ 4 for blank}) \\ &= 50 \times (S - B) \\ &= 50 \times (\text{Number of drops of SQ 5 for sample}) - (\text{Number of drops of SQ 5 for blank}) \end{aligned}$$

Analyzing Waters

Anytime... Anywhere...