

Phosphonate
2-40 & 5-100 ppm

AE411

Direction for use:

1. Take 10 ml of filtered water sample in the test jar.
2. Add two drops of SQ 1. Mix well to dissolve
3. Adjust pH of the sample between 2 to 3 by dropwise addition of SQ2. Use pH paper.
4. Add one spoonful (provided herewith) of SQ3 Powder, Mix well. Then the sample turns yellow.
5. Now drop wise * add SQ 4 L, counting the number of drops while mixing until the colour changes from yellow to red / reddish orange. Note the number of drops added. Say (S)
6. Repeat the procedure given above with raw water of makeup water/ sample blank. Note the number of drops added say (B)

If the expected Phosphonate level of the sample is more than 40 ppm, then use SQ4 instead of SQ 4L.

Calculations:

Phosphonate ppm as HEDP = $2 \times (S-B)$

= $2 \times (\text{No. of drops of SQ4L for Sample} - \text{No. of drops of SQ4L for Blank})$

= $5 \times (S-B)$

= $5 \times (\text{No. of drops of SQ4 for Sample} - \text{No. of drops of SQ 4 for Blank})$

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Anywhere...