



# Watertech of America, Inc.

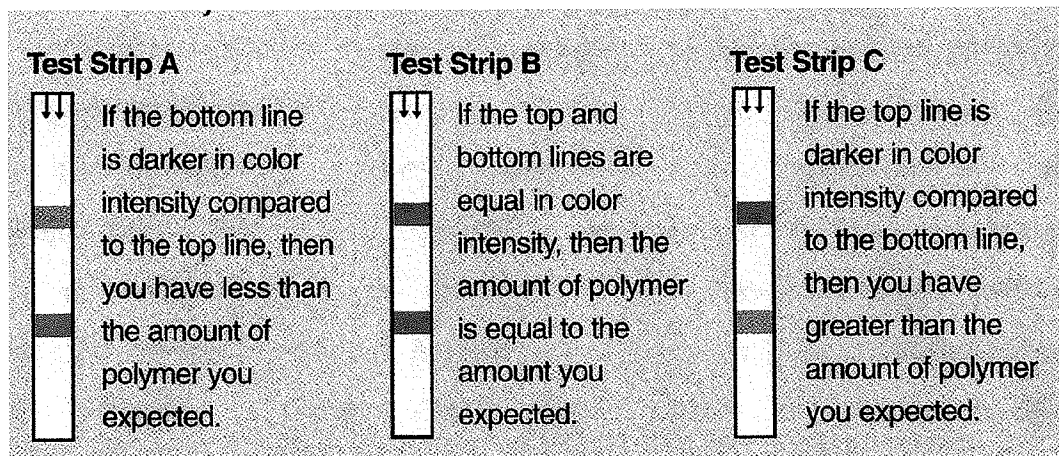
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## **WATERTECH 5765 TOTAL POLYMER TEST**

This kit tests for the presence of available polymer at concentrations from 2 to 20ppm in water. It is important to follow these directions in the order listed.

1. Collect water sample in a clean receptacle. About 2 oz. ( 50ml ) of water is all that is needed.
2. If required, dilute with tap water to within the expected range of 2 to 20ppm, mix and shake well. Record the dilution factor used.
3. Place one dilution test tube from Box A and one small vial from Box B in a pair of holes in the foam workstation.
4. Take one exact volume pipette from the bag. Squeeze and hold the bubble on top of the pipette and place into the water sample. Release the bubble and the required volume of water will rise into the pipette. Note that the bubble will not completely fill with water. Dispense the water sample into the test tube by squeezing the bubble. Discard used pipette.
5. Add buffer solution from Bottle C to the test tube. Fill to the expected concentration i.e. 2, 4, or 8 ppm of product.
6. Using a new exact pipette, squeeze the top bulb and withdraw from test tube and dispense into a small vial next to it containing the reaction pellet. Discard the used pipette and test tube.
7. Gently swirl the vial to mix the reaction pellet. The pellet should become dissolved in the liquid.
8. Remove a test strip from its container. Place one test strip in the small vial with the arrows pointing downwards. Wait 10 minutes for reaction to occur and lines to appear on strip.
9. Interpret results as shown below.

Compare the color intensity of the two lines on each strip after the 10 minutes reaction time. Do not read the test strip beyond 10 minutes as color intensity can continue to increase with time.



Using these results from the strip, the test will show if concentrations are greater than, equal to, or less than the expected concentration.

For example if the expected concentration was 8ppm, the result interpretation would be Test Strip A is less than 8ppm, Test Strip B equals 8ppm, and Test Strip C is greater than 8ppm.

***Typical concentrations in the system are 5 – 8 ppm of total polymer.***