



Boiler Water Total Phosphate Test

1. It is critical that boiler water sample tested is **sparkling clear**. For this test sample must be free of any turbidity or suspended matter.
2. Measure two and one-half (2 1/2) ml of filtered sample into each of two test cells.
3. Fill **both** test cells to the 10 ml mark with distilled or phosphate free tap water.
4. Add 1/2 ml (12 drops) of P-1 Solution #355 to **both** test cells.
5. Add one (1) spoonful of P-2 Reagent #356 to one test cell. Mix by inverting the cell until completely dissolved. Make certain the sample is not contaminated when inverting and/or mixing.
6. Place the cell with **just** P-1 Solution #355 in the left chamber of the comparator.
7. Place the cell with **both** P-1 Solution #355 and P-2 Reagent #356 in the right chamber of the comparator..
8. Wait three minutes for full color development. Do not wait longer that five minutes.
9. With Disc 355-D in the comparator, rotate until a match is obtained with the sample. Read part per million (ppm) phosphate record as PO₄