

Peracetic Acid (PAA) & Hydrogen Peroxide Test Kit

KS-0098B

1 Drop = 10 ppm of PAA & 1 Drop = 5 ppm H_2O_2

1. Fill the graduated reaction vial (PS-1060) to 13 mL using the syringe (PS-0202).
2. Add 10 drops of KI Solution (RS-0005) and mix by swirling.
3. Add 10 drops of Phosphoric Acid Reagent (RS-0012) and mix by swirling.
4. Add 5 drops of Starch Indicator Solution (RS-0008) and mix by swirling. The solution will turn brown.
5. Titrate with Sodium Thiosulfate 0.10 N Solution (RS-0002), drop by drop, mixing after each drop until sample turns colorless passing through blue. Note the number of drops as A to calculate PAA.
6. Add 5 drops of Ammonium Molybdate Reagent (RS-0024) and mix by swirling. The sample will go back to brown or blue.
7. Titrate with Sodium Thiosulfate 0.10 N (RS-0002), drop by drop, mixing after each drop until the sample turns colorless passing through blue. Note the number of drops as B to calculate H_2O_2 .

ppm **PAA** = A (Number of Drops in the First Titration) x 10

ppm **H_2O_2** = B (Number of Drops in the Second Titration) x 5

Replacement Reagents & Parts

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| RS-0002 | 2oz | Sodium Thiosulfate 0.10 N Solution |
| RS-0005 | 2oz | Potassium Iodide (KI) Solution |
| RS-0012 | 2oz | Phosphoric Acid Reagent |
| RS-0024 | 2oz | Ammonium Molybdate Reagent |
| RS-0008 | 2oz | Starch Indicator Solution |
| PS-0202 | Each | 12 mL Syringe |
| PS-1060 | Each | Graduated Reaction Vial |
| PW-1110 | Each | Test Kit Box w/ Foam Insert & Bottom Foam Pad |