

Chlorine (Hypochlorite) in Raw & Stock Bleach Solutions

KS-0075B

1 Drop = 0.5% NaClO

- 1. Take 0.5 mL of sample with the syringe (PS-0200) and place into a graduated reaction vial (PS-1060). Fill to the 25 mL line with chlorine-free water. Cap and mix. **Do not plunge the syringe in the sample or use it to mix the sample.**
- 2. Measure 15 mL of the above solution into another graduated reaction vial (PS-1060). This is the test sample.
- 3. Add 10 drops of Potassium Iodide Solution (RS-0005) and mix by swirling.
- 4. Add 10 drops of Phosphoric Acid Solution (RS-0012) and mix by swirling. The solution will turn brown.
- 5. Titrate with Sodium Thiosulfate 1.0N (RS-0025), drop by drop, mixing after each drop until the sample turns colorless.

$$\% \text{ Sodium Hypochlorite (NaClO) } = \# \text{ of Drops Used to Change the Color } \times 0.5$$

Replacement Reagents & Parts

RS-0005	2oz	Potassium Iodide (KI) Solution
RS-0012	2oz	Phosphoric Acid Solution
RS-0025	2oz	Sodium Thiosulfate 1.0N Solution
PS-0200	Each	1 mL Syringe
PS-1060	2 x Each	Graduated Reaction Vial
PW-1110	Each	Test Kit Box w/ Foam Insert & Bottom Foam Pad