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The HI3843 is a chemical test kit that measures hypochlorite by iodometric titration. The HI3843 is supplied complete with all of the reagents and equipment necessary to perform approximately 100 tests.

- Pre-made reagents for ease of use
- All reagents marked with expiration date and lot number for traceability
- Manual titration performed with color indicator

Details

The HI3844 is a titration-based chemical test kit that determines the hydrogen peroxide concentration in two ranges: 0.00 to 2.00 mg/L and 0.0 to 10.0 mg/L. The HI3844 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for perform approximately 100 tests.

Features at-a-glance

- Complete setup
 - All required materials are included with the test kit, such as the sample beaker, indicator and reagent bottles, spoon, and plastic pipettes.
- High resolution
 - Readings from 0.00 to 2.00 mg/L are determined to 0.25 mg/L resolution.
 - Readings from 0.0 to 10.0 mg/L are determined to 1.0 mg/L resolution.

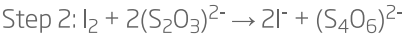
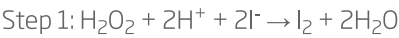


4/1/2018

Hydrogen Peroxide Test Kit - HI3844 - Hanna Instruments

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Company	Hydrogen peroxide (H ₂ O ₂) is widely used as a disinfectant and as a bleach for textiles, wood pulp, and hair, just to name a few. It is also used as a substitute for chlorine in water and sewage treatment. Most common commercial forms are aqueous solutions containing about 6, 12 and 30% hydrogen peroxide and are referred to as "20-volume," "40-volume," and "100-volume" respectively, referring to the value of oxygen liberated when the solution is boiled. The Hanna test kit can quickly and easily determine concentration in water up to 10 mg/L of hydrogen peroxide. This is due to the fact that it is not affected by stabilizers which are sometimes added to commercial hydrogen peroxide solutions.	+
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In the HI3844 test kit, hydrogen peroxide reacts slowly with iodide in acid solution (Step 1); thus a 15 minute interval is required to allow the reaction to occur completely. The amount of iodine generated is equivalent to the hydrogen peroxide in the sample. The liberated iodine is then titrated with standard sodium thiosulfate solution that reduces the iodine back to iodide ions (Step 2).



Specifications

Range	0.00 to 2.00 mg/L H ₂ O ₂ ; 0.0 to 10.0 mg/L H ₂ O ₂
Resolution	0.25 mg/L (0.00 to 2.00 mg/L range); 1.0 mg/L (0.0 to 10.0 mg/L range)
Method	iodometric
Number of Tests	100
CTK Type	Titration
Ordering Information	HI3844 test kit comes with 100 mL hydrogen peroxide reagent A, 17 g hydrogen peroxide reagent B, 30 mL hydrogen peroxide reagent C, 25 mL hydrogen peroxide reagent D, graduated plastic test tube with cap, 50 mL calibrated plastic vessel, 3 mL plastic pipette, 1 mL plastic pipette and plastic spoon.
Warranty	

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