

# A Word About Safety

The products contained in this kit are inherently safe to use and handle. All chemicals are impregnated in the test pads. Listed below are a few “common sense” precautions that should be adhered to when using these products.



Store the test kit at room temperature.



Wear laboratory safety equipment appropriate for the activity.



**DO NOT** put the test strips in your mouth.



**DO NOT** touch the test pad. The oils on your hands may interfere with the accuracy of the test results.



Wash your hands after using the test strips.



**DO NOT** drink the water that has been used in the activities.



**DO NOT** splash water from a test strip, or water that has been tested, onto clothes. Some of the colors from the test strip may stain.



All children should be supervised while using the test strips.

**NOT RECOMMENDED FOR CHILDREN UNDER AGE EIGHT (8).**



**CAUTION: DO NOT MIX A SOLUTION OF CLOROX OR HIGH CHLORINE LEVEL WATER (above 10ppm) WITH AMMONIA REAGENTS. DANGEROUS TOXIC CHLORINE GAS WILL FORM.**



# Questions about SenSafe<sup>®</sup> and WaterWorks<sup>™</sup> Tests

## **Q: Are test strips reliable?**

**A:** Test strips have been used in the medical field for more than half a century for blood and urine testing. Test strips are used in hospitals, doctor's offices, and homes for diagnostic and monitoring purposes. We have taken this concept and developed new technology that makes it possible to test for ions with greater accuracy and sensitivity. WaterWorks<sup>™</sup> products have been developed specifically for ground and drinking water testing.

## **Q: Can I trust SenSafe<sup>™</sup> and WaterWorks<sup>™</sup> test results?**

**A:** These products have been made with the utmost care and attention using manufacturing procedures that minimize lot-to-lot variation. Quality Control testing of each lot confirms that the product performs properly at the time of manufacture before the lot is released for sale. Use by dates have been determined by careful testing to assure that the product performs for the claimed period. In addition, independent laboratories have confirmed the performance claims of these products.

## **Q: Can test strips be trusted to be accurate?**

**A:** Detection sensitivity is dependent on methodology: if you vary the test procedure, the accuracy and sensitivity of the test can be compromised. This is true for all testing methods, including test strips. However, the test methods for these strips are straightforward and simple; variation due to procedure becomes less significant, making detection more accurate.

## **Q: What about the safety of test strips?**

**A:** The chemicals in each test strip amount to about 3% of the chemicals when compared to powder pillow/wet-chemical test methods. All chemicals used are non-toxic in the amounts found in the test strips within this kit.

## **Q: Can color-blind students still accurately pick color blocks?**

**A:** Teachers and students who are color-blind can still read most test strips with reasonable accuracy. Color-blind people can typically distinguish between varying hues or intensities of color with reasonable accuracy, even if they are only seeing shades of gray.

# A Note for Users of the School Test Kit

Thank you for purchasing the WaterWorks™ School Test Kit. After classroom use your kit may have strips remaining. All of the tests included in your kit are coded with a “use by” date. Each of the tests are evaluated by our quality control department against officially certified reference methods and calibrated standards. The “Use by” date is determined by comparing the performance of aged strips against the reference method. The “use by” date assigned is determined when accuracy shifts one (1) color block from the reference value. In most situations the strips continue to perform even after the “Use by” date has passed. We do NOT recommend using strips that are older than ONE year beyond the “Use by” date. The table below describes the performance you can expect when using strips that are older (up to one year) than the stated “Use by” date.

Test	Expected Performance change after “Use by” date
Free Chlorine	Reacted strip gets greenish shift in color. Result may be 1 color block lower than the actual value
Total Chlorine	Typically result will be 1 color block lower than the actual value
Copper	Typically result will be 1 color block lower than the actual value
Iron	Typically result will be 1 color block higher than the actual value
Nitrate	Typically result will be 1 color block lower than the actual value
pH	Typically result will be 1 color block lower than the actual value
Total Alkalinity	Typically result will be 1 color block lower than the actual value
Total Hardness	Typically result will be 1 color block lower than the actual value

Quantity	Description
60	WaterWorks 2™ Free & Total Chlorine Test (1 two-pad strip per packet)
60	Total Hardness Test (1 strip per packet)
60	pH and Total Alkalinity Test Strip (1 strip per packet)
60	WaterWorks™ Nitrate-Nitrogen /Nitrite-Nitrogen Test Strip (1 two-pad strip per packet)
60	Iron Test Strips (1 strip per packet)
60	Copper Test Strips (1 strip per packet)
30	Plastic Droppers
30	Plastic Test Vials
1	Teacher’s Activity Booklet
30	Color Charts with 9 sets of color blocks and instructions for test strip use