

# watersafe<sup>®</sup>

## drinking water test



This **Watersafe<sup>®</sup>** test kit contains everything you need to find out simply and accurately if your water contains unsafe or undesirable levels of 8 common contaminants. Follow instructions carefully for each test, and compare results to the Desired Values.

**Drinking water which tests outside the desired values may be dangerous to your health.**

### Before You Begin

- Contents**
  - One Bacteria Test Vial
  - One Lead/Pesticide Test Packet
  - One Nitrate/Nitrite Test Packet
  - One pH/Hardness/Chlorine Test Packet
- Keep tests out of reach of children or pets. Do not ingest anything from this test kit. Do not drink the water samples used for testing.** Store and use at room temperature (60-86°F). Do not use on hot water or water containing bleach or detergents. Do not re-use any part of the test kit.
- Do not open packets or vial until you are ready to perform the tests.**
- Read and follow all instructions carefully.**



### Bacteria Test Instructions

- Take out the Bacteria Test vial and set upright on a flat surface.
- Collect water sample or turn on tap to a very slow stream.
- Carefully twist off cap and fill vial to 1/2 inch below the top (to 5 ml line). DO NOT OVERFILL and DO NOT SPILL the bacterial growth powder in the vial.
- Replace the cap and twist on tightly. Shake the vial vigorously for 20 seconds.
- Place the capped vial upright in a warm area (70-90°F) where it cannot be disturbed for 48 hrs.

### Bacteria Test Instructions Continued

- After 48 hrs., observe the color of the liquid **without** opening the vial:
  - Purple Color: Negative Result** (No bacteria were detected)
  - Yellow Color: Positive Result** (It is highly likely that potentially harmful bacteria were detected)
- For positive results, add bleach to the sample before pouring down the toilet, then wash hands carefully. Negative samples may be poured directly into the toilet. Discard vial in the trash.



### Lead / Pesticide Test Instructions

The **Watersafe<sup>®</sup> Lead Test** can detect dissolved lead at levels below the EPA Action level of 15 parts per billion (ppb). The **Watersafe<sup>®</sup> Pesticide Test** detects two of the most common pesticides used in the US at or below the EPA Maximum Contaminant Level (atrazine - 3 ppb, and simazine - 4 ppb).

- Open **Lead / Pesticide** packet and take out all contents. The packet contains a test vial, a dropper pipette, two **Watersafe<sup>®</sup>** test strips, and a desiccant (to be discarded).
- Using dropper, place **exactly TWO dropper-fuls** of water sample into test vial. To pick up sample, tightly squeeze the bulb at the end of the dropper and place the open end into water sample. Release the bulb to pick up sample, then squeeze again to expel sample into vial.

### Lead / Pesticide Test Instructions Continued

- Swirl vial gently for several seconds. Place on a flat surface.
- Place both test strips into the test vial, with arrows pointing DOWN.
- Wait 10 minutes. Do not disturb strips or vial during this time. Blue lines will appear on the strips.
- Take the strips out of the vial and lay them on a flat surface with the arrows pointing to the LEFT. Read results.

**Negative:** LEFT line (next to number 1) is darker than the RIGHT line (next to number 2).

If you only see the LEFT line next to number 1, the test is negative.



**Positive:** RIGHT line (next to number 2) is darker than LEFT line (next to number 1), or lines are equally dark (Both LEFT and RIGHT lines are equally dark)



- Note: If no lines appear, or both lines are very light, the test did not run properly and the result is not valid.

**If a test strip shows a positive result, your water sample may contain lead or pesticides at a toxic level.**

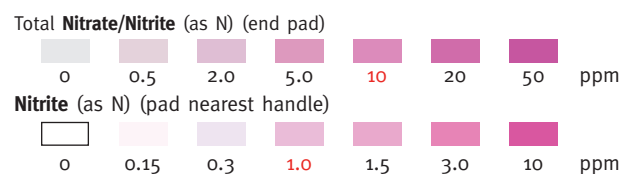


### Nitrate / Nitrite Test Instructions

- Carefully open **Nitrate / Nitrite Test** packet and take out test strip.
- Immerse the reagent pads into water sample for 2 seconds, remove. After 1 minute match colors to chart below.

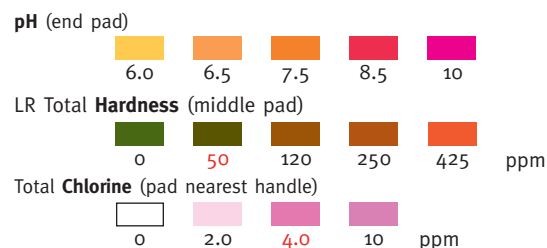
### Nitrate / Nitrite Test Instructions Continued

- Colors are stable for 1 minute.



### pH / Hardness / Chlorine Test Instructions

- Carefully open **pH / Hardness / Chlorine Test** packet and take out test strip.
- Immerse the reagent pads into water sample and remove immediately. Hold the strip level for 15 seconds.
- Match pH, Total Hardness and Total Chlorine pads (in that order) to the color chart.



### Water Test Desired Values

#### EPA maximum contaminant levels or guideline standards

<b>Bacteria</b>	None
<b>Lead</b>	Below 15 ppb
<b>Pesticides</b>	Below 3 ppb atrazine (atrazine/simazine) Below 4 ppb simazine
<b>Total Nitrate/Nitrite</b>	Below 10.0 ppm
<b>Nitrite</b>	Below 1.0 ppm
<b>Total Chlorine</b>	Below 4 ppm
<b>pH</b>	6.5 to 8.5
<b>Total Hardness</b>	50 ppm or less

NOTE: If your water tests outside the desired values, call 1.800.438.1942.

Please note that **Watersafe<sup>®</sup>** is a screening test and can not be used to certify water as safe or unsafe for drinking. **Watersafe<sup>®</sup>** provides approximate results ONLY when used in strict accordance with instructions. Silver Lake Research Corporation expressly disclaims any liability resulting from use of this product, failure to follow instructions, or reliance on test results.