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## Bestway 58274

# Bestway 58274 Pool Water Test Kit User Manual

For pH, Free Chlorine, and Bromine

## 1. INTRODUCTION

The Bestway 58274 Pool Water Test Kit is designed for simple and accurate measurement of key chemical levels in your pool or spa water. Regular testing helps maintain balanced water chemistry, ensuring a safe and enjoyable swimming environment. This kit measures pH, free chlorine, and bromine levels, providing an easy-to-read color scale system for quick interpretation.



Figure 1: The Bestway 58274 Pool Water Test Kit, including the compact blue storage case, the clear test block with color chart, and the two reagent bottles for pH and chlorine/bromine.

## 2. KIT COMPONENTS

Your Bestway 58274 Pool Water Test Kit includes the following items:

- **Test Block:** A clear plastic block with two chambers and a printed color scale for pH and Chlorine/Bromine.
- **Phenol Red Reagent:** A red liquid reagent for measuring pH levels.
- **OTO (Orthotolidine) Reagent:** A yellow liquid reagent for measuring free chlorine and bromine levels.
- **Storage Box:** A compact blue case for convenient storage and transport of the kit components.



Figure 2: A detailed view of the test kit's essential components: the OTO reagent (yellow bottle), the test block with its integrated color comparison chart, and the Phenol Red reagent (red bottle).

### 3. SETUP AND PREPARATION

Before performing a test, ensure you have a clean, dry test kit and access to your pool water. It is recommended to test your pool water at least once a week, or more frequently during heavy use or after adding chemicals.

#### 3.1 Preparing the Test Kit

- Open the storage box and remove the test block and reagent bottles.
- Ensure the test block chambers are clean and free of any residue from previous tests. Rinse with clean water if necessary and dry thoroughly.

### 4. OPERATING INSTRUCTIONS

Follow these steps to accurately test your pool water:

1. **Collect Water Sample:** Submerge the test block into your pool water to fill both chambers up to the indicated fill line. Ensure no air bubbles are trapped.
2. **Add Reagents:**
  - For the **pH chamber (right side)**, add 5 drops of the **Phenol Red reagent** (red bottle).
  - For the **Chlorine/Bromine chamber (left side)**, add 5 drops of the **OTO reagent** (yellow bottle).
3. **Cap and Mix:** Securely place the caps on both chambers of the test block. Gently invert the test block several times to mix the water and reagents thoroughly. Do not shake vigorously.

4. **Wait for Color Development:** Allow a few moments for the colors to develop.
5. **Compare Colors:** Hold the test block against a white background in good natural light. Compare the color of the water in each chamber to the corresponding color scale printed on the test block.
6. **Interpret Results:**
  - **pH:** The ideal pH range is 7.2 to 7.6. The kit measures from 6.8 to 8.2.
  - **Free Chlorine:** The ideal free chlorine range is 1 to 3 ppm. The kit measures from 0.5 to 5 ppm.
  - **Bromine:** The ideal bromine range is 2 to 6 ppm. The kit measures from 1 to 10 ppm.

Adjust your pool chemicals as needed based on the results.



Figure 3: The Bestway test kit positioned beside a pool, illustrating its compact size and ease of use in a typical pool environment.

## 5. MAINTENANCE

Proper maintenance of your test kit ensures its longevity and accuracy:

- **Cleaning:** After each use, rinse the test block chambers thoroughly with clean tap water. Do not use detergents or abrasive cleaners, as they can affect future test results.
- **Drying:** Allow the test block to air dry completely before storing it.
- **Storage:** Store the test kit in its original storage box in a cool, dry place, away from direct sunlight and extreme temperatures. Keep reagents tightly capped to prevent evaporation or contamination.
- **Reagent Expiration:** Reagents have a limited shelf life. Check the expiration dates on the bottles and replace them as needed to ensure accurate readings.

## 6. TROUBLESHOOTING

If you encounter issues with your test results, consider the following:

- **Inaccurate Readings:** Ensure the test block is clean and dry before use. Check reagent expiration dates.

Make sure you are adding the correct number of drops for each reagent.

- **Faint or No Color Change:** This could indicate very low levels of the tested chemical or expired reagents. Re-test with fresh reagents if possible.
- **Difficulty Matching Colors:** Ensure you are comparing the colors in good, natural light against a white background. Avoid testing in direct sunlight or under artificial lighting that may distort colors.
- **Contamination:** Always use separate caps for each reagent bottle and avoid cross-contamination between reagents or with pool water.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	58274
Product Dimensions	4 x 11 x 9.5 cm (1.6 x 4.3 x 3.7 inches)
Weight	140 grams (0.31 lbs)
Manufacturer	Bestway
Tested Parameters	pH, Free Chlorine, Bromine
pH Measurement Range	6.8 - 8.2
Free Chlorine Measurement Range	0.5 - 5 ppm
Bromine Measurement Range	1 - 10 ppm
Number of Units (Components)	3 (Test Block, Phenol Red Reagent, OTO Reagent)

## 8. WARRANTY AND SUPPORT

Bestway products are manufactured to high-quality standards. For information regarding warranty, product support, or replacement parts, please refer to the official Bestway website or contact Bestway customer service directly. Keep your purchase receipt as proof of purchase.

You can find more information and contact details on the official Bestway store page [Bestway Store on Amazon](#)