Taylor K-1005

Taylor K-1005 DPD 9-in-1 Pool Test Kit User Manual

Model: K-1005 | Brand: Taylor

Product Overview

The Taylor K-1005 DPD, 9-Way Water Testing Kit is designed to provide accurate and reliable measurements for maintaining optimal pool and spa water chemistry. This comprehensive kit includes all necessary components to test for Free & Total Chlorine, Bromine, pH, Acid & Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid (CYA).

Image: The Taylor K-1005 DPD 9-in-1 Pool Test Kit, showcasing its contents including various reagent bottles and the testing comparator, all neatly organized within its blue carrying case.

Key Features:

- **Reliable Results In Seconds:** Everything needed to test your pool or spa is conveniently packaged in a handy storage case, including a comparator and 13 easy-to-use reagents for 9 common water test parameters.
- **Quick & Easy to Use:** Simply collect your water sample using the comparator and add the appropriate testing reagents to determine the results. Product instructions are written in non-technical language with easy-to-understand pictograms.
- **Pool & Spa Test Kits Built to Last:** Designed for durability, allowing for replacement of individual reagents as needed, ensuring the kit's longevity.
- **For Homeowners and Professionals:** Taylor products are built to professional standards with processes easy enough for any pool or spa owner to use.
- **Proudly Made in the USA:** Since 1930, Taylor has been a leading developer of water testing products, engineered and manufactured in the USA.

Setup and Preparation

Before beginning any water tests, ensure you have a clean, dry testing area and that all reagents are within their expiration dates. Store the kit in a cool, dark place away from direct sunlight to preserve reagent integrity.

Kit Contents:

- Test Kit Case
- Comparator with color standards
- Reagent bottles for: Free & Total Chlorine, Bromine, pH, Acid & Base Demand, Total Alkalinity, Calcium Hardness, Cyanuric Acid (CYA)
- Large test tube for alkalinity and calcium hardness
- Small test tube for CYA

Image: A vertical view of the Taylor K-1005 Test Kit, highlighting the organized layout of reagent bottles and testing vials within the case.

Operating Instructions

Follow these general steps for accurate water testing. Always refer to the specific instructions provided with your kit for detailed procedures for each parameter.

General Testing Procedure:

1. **Collect Water Sample:** Submerge the comparator or appropriate test tube into the pool/spa water to collect a sample up to the indicated fill line.
2. **Add Reagents:** Add the specified number of drops of the relevant reagent(s) to the water sample. Ensure to hold the reagent bottle vertically to dispense uniform drops.
3. **Mix Sample:** Cap the test tube or comparator and invert several times to thoroughly mix the reagents with the water sample. Do not shake vigorously unless specified.
4. **Determine Results:** Compare the color of the treated water sample to the color standards on the comparator or chart. Read the result that most closely matches the sample's color.
5. **Record Results:** Keep a log of your test results to track trends and ensure consistent water balance.

Specific Test Parameters:

- **Free & Total Chlorine/Bromine:** Use the DPD reagents and comparator. Follow the steps to differentiate between free and total chlorine.
- **pH:** Use the pH reagent and comparator. The pH level indicates the acidity or alkalinity of the water.
- **Acid & Base Demand:** These tests help determine the amount of acid or base needed to adjust pH to the ideal range.
- **Total Alkalinity:** Use the large test tube and alkalinity reagents. This measures the water's buffering capacity.
- **Calcium Hardness:** Use the large test tube and calcium hardness reagents. This measures the amount of dissolved calcium in the water.
- **Cyanuric Acid (CYA):** Use the small test tube and CYA reagent. This measures stabilizer levels, important for protecting chlorine from UV degradation.

Image: A visual guide illustrating the four simple steps for confident water testing with Taylor kits: fill comparator, add reagents, mix, and compare colors.

Maintenance

Proper maintenance of your test kit ensures accurate results and extends its lifespan.

- **Clean Equipment:** After each use, thoroughly rinse all test tubes and the comparator with clean tap water. Allow them to air dry completely before storing.
- **Store Reagents Properly:** Keep reagent bottles tightly capped and stored in the original kit case in a cool, dark, and dry place. Avoid extreme temperatures.
- **Check Expiration Dates:** Reagents have a limited shelf life. Check the expiration date on each bottle and replace expired reagents promptly. Using expired reagents can lead to inaccurate test results.
- **Replace Reagents:** Individual replacement reagents are available for purchase. If a specific reagent runs out before others, you can easily replace just that bottle.

Image: Examples of Taylor reagent bottles (R-0001-C and R-0002-C), which can be replaced individually when needed.

Troubleshooting

If you encounter issues with your test results or kit, consider the following common troubleshooting tips:

- **Inaccurate Readings:**
  - Ensure reagents are not expired.
  - Verify correct number of drops and proper mixing technique.
  - Check for contamination of test tubes or water sample.
  - Ensure water sample is taken from an appropriate depth (elbow deep, away from returns).
- **No Color Change:**
  - Reagent may be expired or depleted.
  - Water parameter might be outside the testable range (e.g., extremely low chlorine).
- **Cloudy Sample:**
  - This can occur with certain tests (e.g., CYA). Ensure proper mixing and allow sufficient time for the reaction to complete before reading.

Specifications

Feature	Detail
Model Number	K-1005
Brand	Taylor
Test Parameters	Free & Total Chlorine, Bromine, pH, Acid & Base Demand, Total Alkalinity, Calcium Hardness, Cyanuric Acid (CYA)
pH Range	6.5-8.5
Product Dimensions	7 x 4 x 4 inches
Item Weight	1.45 Pounds
Manufacturer	Taylor Technologies
UPC	840036012178

Warranty and Support

Specific warranty information for the Taylor K-1005 DPD 9-in-1 Pool Test Kit is not provided in this manual. For detailed warranty terms, product support, and to purchase replacement reagents, please visit the official Taylor Technologies website or contact their customer service directly.
You can also visit the Taylor Store on Amazon for more products and information.

Image: The official Taylor brand logo, representing a trusted name in water testing.