



6390 Joyce Drive  
#100  
Golden, CO 80403

PHONE 303-940-0033  
FAX 303-940-0043  
www.wibby.com

## **Instructions for: WP Residual Chlorine (cat # PT-CL-WP)**

### **SCOPE AND APPLICATION**

Wibby Environmental's WP Residual Chlorine Proficiency Testing Standard is designed to be used for US EPA Methods given in "Methods for Chemical Analysis of Water and Wastes" or methods given in "Standard Methods for the Examination of Water and Wastewater". If you have any questions about the use of these standards, please contact Wibby Environmental Customer Service at 303-940-0033.

### **SAMPLE PREPARATION AND ANALYSIS**

1. For best results, the PT standard should be stored refrigerated and then brought to room temperature (near 20°C) when used. Residual chlorine reacts immediately with organic compounds. Care should be exercised to ensure that all glassware used in the dilution of the standard is free of organic residue.
2. Add approximately 990 mL of organic free water to a 1000 mL class A volumetric flask.
3. Transfer exactly 1.0 mL of the PT standard concentrate to the flask using a class A volumetric pipette or a gas tight syringe.
4. Bring the flask to volume with ASTM Type 1 water.
5. Mix the solution by inverting the volumetric flask a minimum of three times.
6. The standard is now ready for preparation and analysis per the selected method(s).
7. Due to the nature of residual chlorine, the sample must be analyzed as soon as possible after dilution.

### **REPORTING RESULTS**

1. Report all results using the Data Reporting Sheets enclosed with your standards.
2. Report results to three significant figures.
3. FAX your results to Wibby Environmental at 303-940-0043. You may also mail your results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403. All results must be received by Wibby Environmental prior to the study closing date shown on the Data Reporting Sheets.

### **SAFETY**

These standards are designed for use by laboratory professionals who are familiar with handling environmental reference materials as well as hazardous materials. If you have any questions about the safe handling of these standards or require a Material Safety Data Sheet (MSDS,) please contact Wibby Environmental at 303-940-0033.

### **QUESTIONS?**

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 303-940-0033.