

## Instructions for: **WP Turbidity (Cat # PT-TURB-WP)**

### **STANDARD DESCRIPTION**

- The WP Turbidity standard is provided in a vial that contains approximately 21 mL of concentrate.
- The WP Turbidity standard is unpreserved.
- Store the standard in the unopened vial at room temperature (~ 20 - 25°C).

### **ADDITIONAL INFORMATION**

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- Prior to removing an aliquot for dilution or analysis, thoroughly mix the standard by vigorously shaking for approximately 30 seconds.

### **STANDARD PREPARATION, ANALYSIS and STORAGE**

1. For best results, the PT standard should be stored near room temperature (~ 20 - 25°C).
2. Add approximately 900 mL of ASTM Type 1 water to a 1000 mL Class A volumetric flask.
3. Thoroughly mix the standard by vigorously shaking the vial for approximately 30 seconds.
4. Transfer exactly 10.0 mL of the PT standard concentrate to the flask using a Class A volumetric pipette.
5. Bring the flask to volume with ASTM Type 1 water.
6. Mix the solution by inverting the volumetric flask a minimum of three times.
7. The standard is now ready for preparation and analysis per the selected method(s).
8. The sample should be analyzed as soon as possible after dilution.
9. Report all results in NTU per the reporting instructions contained in this booklet.
10. Store the diluted standard and any remaining concentrate at room temperature (~ 20 - 25°C).

### **REPORTING RESULTS**

1. Report results to three significant figures.
2. Report your results on line at [www.wibby.com](http://www.wibby.com). Click on the "Online Data Entry" link or the "PT Manage" link.
3. You may also report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 866-283-0269 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
4. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

### **CONCENTRATION RANGE and PTRL**

- After preparation per these instructions, the standard will contain the analyte in the table on the following page at a certified concentration within the range shown.

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# 100  
Golden, CO 80403

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## Water Pollution Proficiency Testing Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Turbidity (PT-TURB-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
2055	Turbidity	NTU	2.00 - 30.0	1.20