

## Instructions for: *WP Settleable Solids (Cat # PT-SSOL-WP)*

### **STANDARD DESCRIPTION**

- The WP Settleable Solids standard is provided as a powder that is added to water to produce the final standard.
- The WP Settleable Solids 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.
- To ensure an accurate result, shake the diluted standard vigorously prior to transferring to your Imhoff cone.

### **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. Open the WP Settleable Solids vial and quantitatively transfer the entire contents of the vial to the flask. Rinse the vial into the flask a minimum of three times.
4. Bring the flask to volume with ASTM Type 1 water.
5. Mix the solution by shaking and inverting the flask and immediately transfer to your Imhoff Cone. If any solids adhere to the flask, rinse them into the Imhoff Cone.
6. The standard is now ready for preparation and analysis per your routine method(s)
7. Report all results in ml/L/hour per the reporting instructions contained in this booklet.
8. Store any remaining standard at ~ 20 - 25°C.

### **CONCENTRATION RANGE and PTRL**

- After preparation per these instructions, the standard will contain the analytes in the following table at a certified Concentration within the ranges shown.
- The NELAC Proficiency Testing Reporting Limit (PTRL) is provided as guidance when analyzing NELAC PT standards. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRL shown.

Analyte	Units	Concentration Range	PTRL
Settleable Solids	mL/L/hr	5.00 – 50.0	2.90