

**Instructions for:
WP Tin and Titanium (cat # PT-SNTI-WP)**

SCOPE AND APPLICATION

Wibby Environmental's WP Tin and Titanium 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 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. For best results, the PT standard should be stored near room temperature (~ 20°C).
2. Add approximately 900 mL of ASTM Type 1 water to a 1000 mL class A volumetric flask.
3. Carefully add 20.0 mL of hydrochloric acid as a preservative.
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).

REPORTING RESULTS

1. Report results to three significant figures.
2. Report your results on line at 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 1-866-283-0269 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..

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 1-866-WibbyPT (866-942-2978).

QUESTIONS?

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 1-866-WibbyPT (866-942-2978).

CONCENTRATION RANGE and PTRL

Analyte	Units	Conc Range ¹	PTRL ²
Sn	µg/L	1000 – 5000	790
Ti	µg/L	80.0 – 300	67.0

1. The standard will contain Sn and Ti at certified Concentrations within the Concentration range shown after the concentrate has been diluted per the instructions contained on this sheet.
2. The NELAC Proficiency Testing Reporting Limits (PTRL) are 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.