

Instructions for: **Soil Corrosivity/pH (cat # PT-CORR-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's Soil Corrosivity/pH Proficiency Testing Standard is designed to be used with USEPA Method 9045D or other equivalent methods. You should be familiar with the method(s) before analyzing the standard. 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

NOTE: You should follow these instructions, based on EPA Method 9045D as closely as possible as the results.

1. For best results, the standard should be stored and used at room temperature.
2. Thoroughly mix the standard prior to removing an aliquot for analysis.
3. Transfer 20 g of the standard to a 50-mL beaker.
4. Add 20 mL of reagent water, cover, and continuously stir the suspension for five minutes.
5. Allow the soil suspension to stand for one hour.
6. The sample is now ready for determination of pH. Lower the electrode(s) into the beaker, just deep enough into the supernatant solution to establish a good electrical contact through the ground-glass joint or the fiber-capillary hole. For combination electrodes, immerse just below the suspension.

REPORTING RESULTS

1. Report all results on line at www.wibby.com. Click on the "Online data entry link" and follow the instructions to enter your results. As an alternative, you may submit your results using the Data Reporting Sheets enclosed with your standards by Fax to 866-283-0269.
2. Report results to three significant figures.
3. 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 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).

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Soil / Hazardous Waste PT 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.

Corrosivity-pH (PT-CORR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1625	Corrosivity (pH)	Units	2.00 - 12.0	NA