

## Instructions for: **Soil/HW Cyanide Amenable (cat # PT-CNA-SOIL)**

### **SCOPE AND APPLICATION**

Wibby Environmental's Soil Cyanide Amenable Proficiency Testing Standard is designed to be used for USEPA 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**

1. The SOIL/HW Cyanide Amenable standard includes two separate containers; a vial containing Blank Soil Matrix and a screw-top vial containing the Cyanide Amenable concentrate.
2. For best results, the Cyanide Amenable concentrate should be stored and used at room temperature (near 20°C) when used.
3. Open the Blank Soil Matrix vial and transfer 10.0 g of the matrix into your digestion vessel.
4. Open the vial containing the Cyanide Amenable concentrate. Using a Class A pipette transfer exactly 10.0 mL of the PT concentrate onto the Blank Soil Matrix in the digestion vessel.
5. The standard is now ready for analysis per your normal procedures for the preparation and analysis of a sample for Cyanide Amenable in Soil

### **REPORTING RESULTS**

1. Report all results on line at [www.wibby.com](http://www.wibby.com). Click on the "Online data entry link" and follow the instructions to enter your results. As an alternative, you may enter your results using the Data Reporting Sheets enclosed with your standards.
2. Report results to three significant figures.

3. For the purposes of reporting results, the percent moisture of the PT standard is 0%. Report all results in mg/kg on a dry weight basis
4. FAX your results to Wibby Environmental at 1-866-WibbyPT (866-942-2978). 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 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.

### Cyanide, Amenable (PT-CNA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1510	Amenable cyanide	mg/kg	5.00 - 100	1.00