

Instructions for: **Soil Pesticides (Cat # PT-PEST-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's Soil Pesticides Proficiency Testing Standard is designed to be used with applicable USEPA or other promulgated 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. For best results, the PT standards should be refrigerated and then brought to room temperature (near 20°C) when used.
2. The Pesticide in Soil standard is packaged in two vials. Each vial contains 30.0 ± 0.2 g of standard.
3. Open one vial and quantitatively transfer the *entire* contents of the vial to your extraction apparatus. Rinse the vial thoroughly with extraction solvent and transfer the solvent to the extraction apparatus.
4. Follow your normal procedures for extraction and analysis of a sample for Pesticides in Soil.

NOTE: A second identical vial containing 30.0 ± 0.2 g of Pesticides in Soil standard has been provided as a backup in the event you experience problems with the extraction or analysis of the initial vial. Store the second vial at 4°C.

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.
2. Report results to three significant figures.

3. For the purposes of reporting results, the percent moisture of the standard is 0% and the sample weight is 30 g. Report all results in $\mu\text{g}/\text{kg}$ on a dry weight basis.
4. 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.
5. 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).

6390 Joyce Drive
100
Golden, CO 80403

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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.

Pesticides (PT-PEST-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7025	Aldrin	µg/kg	50.0 - 500	5.00
7110	alpha-BHC	µg/kg	50.0 - 500	5.00
7115	beta-BHC	µg/kg	50.0 - 500	5.00
7105	delta-BHC	µg/kg	50.0 - 500	5.00
7120	gamma-BHC (Lindane)	µg/kg	50.0 - 500	5.00
7240	alpha-Chlordane	µg/kg	50.0 - 500	5.00
7245	gamma-Chlordane	µg/kg	50.0 - 500	5.00
7355	4,4'-DDD	µg/kg	50.0 - 500	5.00
7360	4,4'-DDE	µg/kg	50.0 - 500	5.00
7365	4,4'-DDT	µg/kg	50.0 - 500	5.00
7470	Dieldrin	µg/kg	50.0 - 500	5.00
7510	Endosulfan I	µg/kg	50.0 - 500	5.00
7515	Endosulfan II	µg/kg	50.0 - 500	5.00
7520	Endosulfan sulfate	µg/kg	50.0 - 500	5.00
7540	Endrin	µg/kg	50.0 - 500	5.00
7530	Endrin aldehyde	µg/kg	50.0 - 500	5.00
7535	Endrin ketone	µg/kg	50.0 - 500	5.00
7685	Heptachlor	µg/kg	50.0 - 500	5.00
7690	Heptachlor epoxide	µg/kg	50.0 - 500	5.00
7810	Methoxychlor	µg/kg	50.0 - 500	5.00