

**Instructions for:
Soil/HW Nitrite as N (cat # PT-NO2-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's Soil Nitrite as N Proficiency Testing Standard is designed to be used with USEPA and 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. The SOIL/HW Nitrite as N standard includes two separate containers; a vial containing Blank Soil Matrix and a flame sealed ampule containing the Nitrite as N concentrate.
2. For best results, the Nitrite as N concentrate should be refrigerated and then brought to room temperature (near 20°C) when used.
3. Open the Blank Soil Matrix vial and transfer 10.0 g of the matrix into your extraction vessel.
4. Carefully open the ampule containing the Nitrite as N concentrate by snapping off the top at the narrow part of the neck.
5. Transfer exactly 1.00 mL of the NO₂-N concentrate onto the Blank Soil Matrix in the extraction vessel using a gas tight syringe.
6. The standard is now ready for analysis per your normal procedures for the preparation and analysis of a sample for Nitrite as N in Soil.

NOTE: Due to the nature of Nitrite, you should analyze the standard as soon as possible after extraction.

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 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. 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

This standard is 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 this standard 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 this standard 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.

Nitrite in Soil (PT-NO2-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1840	Nitrite as N	mg/kg	10.0 - 500	NA