

Instructions for: *WP Nitrogen Pesticide (Cat # PT-NP-WP)*

STANDARD DESCRIPTION

- The WP Nitrogen Pesticides standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WP Nitrogen Pesticides standard is packaged in acetone.
- Store the standard in the unopened ampule under refrigeration at ~4°C.

ADDITIONAL INFORMATION

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- The standard should be prepared and analyzed as soon as possible after dilution.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. Refrigerate (~4°C) the PT standard and allow to equilibrate to room temperature (near 20°C) when used.
2. Add approximately 990 mL of organic free deionized water to a 1000 mL Class A volumetric flask.
3. Carefully open the ampule by snapping off the top at the narrow part of the neck.
4. Transfer exactly 1.0 mL of the PT standard concentrate to the flask using a gas-tight syringe and delivering the aliquot below the surface of the water.
5. Bring the volumetric flask to volume with organic free deionized 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 your routine method(s).
8. The sample should be analyzed as soon as possible after dilution.
9. Report all results in µg/L per the reporting instructions shown below.
10. Refrigerate the diluted standard and any remaining concentrate at ~4°C.

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 by faxing your results to Wibby Environmental at 1-866-283-0269.
4. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

CONCENTRATION RANGE and PTRL

- After preparation per these instructions, the standard will contain the analytes in the following table at a certified concentration within the ranges shown.
- The NELAC Proficiency Testing Reporting Limit (PTRL) is 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.

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Water Pollution Proficiency Testing 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.

Nitrogen Pesticides (PT-NP-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
7005	Alachlor	µg/L	2.00 - 30.0	NA
7035	Ametryn	µg/L	0.500 - 40.0	NA
7045	Anilazine	µg/L	0.500 - 40.0	NA
7060	Atraton	µg/L	0.500 - 40.0	NA
7065	Atrazine	µg/L	3.00 - 30.0	NA
7130	Bromacil	µg/L	0.500 - 30.0	NA
7160	Butachlor	µg/L	0.500 - 30.0	NA
7175	Butylate	µg/L	0.500 - 40.0	NA
7340	Cyanazine	µg/L	0.500 - 40.0	NA
7377	Deethyl atrazine	µg/L	2.00 - 20.0	NA
7382	Deisopropyl atrazine	µg/L	2.00 - 20.0	NA
7408	Diamino atrazine	µg/L	2.00 - 20.0	NA
7555	EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	µg/L	0.500 - 40.0	NA
7705	Hexazinone	µg/L	0.500 - 40.0	NA
7835	Metolachlor	µg/L	0.500 - 30.0	NA
7845	Metribuzin	µg/L	0.500 - 30.0	NA
6440	Napropamide	µg/L	0.500 - 40.0	NA
8035	Prometon	µg/L	0.500 - 30.0	NA
8040	Prometryn	µg/L	0.500 - 40.0	NA
6650	Pronamide (Kerb)	µg/L	0.500 - 40.0	NA
8045	Propachlor (Ramrod)	µg/L	0.500 - 40.0	NA
8060	Propazine	µg/L	0.500 - 40.0	NA
8125	Simazine	µg/L	4.00 - 40.0	NA
8180	Terbacil	µg/L	0.500 - 40.0	NA
8295	Trifluralin (Treflan)	µg/L	0.500 - 40.0	NA