

**Instructions for:
WP Minerals (cat # PT-MIN-WP)**

STANDARD DESCRIPTION

- The WP Minerals standard is provided as a 500 mL ready-to-use sample.
- The WP Minerals standard is unpreserved.
- Store the standard in the unopened bottle at room temperature (~20 - 25°C).

ADDITIONAL INFORMATION

- Please note that a separate bottle has been provided for the determination of conductivity (WP Conductivity). Do not report conductivity from the WP Minerals standard.
- If you do not determine Total Alkalinity when the standard is first opened, be sure to cap the standard tightly to prevent adsorption of carbon dioxide from the atmosphere.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. For best results, the PT standard should be stored near room temperature (~ 20 - 25°C).
2. The standard is ready for preparation and analysis per your routine method(s) as received. No dilutions are necessary.
3. Report all results in mg/L per the reporting instructions contained in this booklet.
4. Store any remaining standard at ~ 20 - 25°C.



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Instructions for: WP Minerals (cat # PT-MIN-WP) - Continued

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.

Analyte	Units	Concentration Range	PTRL
Total Alkalinity (as CaCO ₃)	mg/L	10.0 -120	6.80
Calcium	mg/L	3.50 -110	2.70
Chloride	mg/L	35.0 - 275	29.0
Fluoride	mg/L	0.300 – 4.00	0.130
Calcium Hardness (as CaCO ₃)	mg/L	8.70 – 275	6.80
Total Hardness (as CaCO ₃)	mg/L	17.0 – 440	8.40
Magnesium	mg/L	2.00 – 40.0	1.60
Potassium	mg/L	4.00 – 40.0	3.00
Sodium	mg/L	6.00 – 100	5.10
Sulfate	mg/L	5.00 – 125	2.80
NELAC Experimental Analytes			
Bromide	mg/L	1.00 – 10.0	0.850
Additional State Specific Analytes			
Total Inorganic Carbon	mg/L	2.50 – 30.0	NA

**Instructions for:
WP Specific Conductance (cat # PT-COND-WP)**

STANDARD DESCRIPTION

- The WP Specific Conductance standard is provided as a 100 mL ready-to-use sample.
- The WP Specific Conductance standard is unpreserved.
- Store the standard in the unopened bottle at room temperature (~20 - 25°C).

ADDITIONAL INFORMATION

- Store the standard tightly capped to prevent adsorption of carbon dioxide from the atmosphere.
- Report results corrected to 25°C.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. The standard is ready for preparation and analysis per your routine method(s) as received. No dilutions are necessary.
2. Report all results in $\mu\text{mhos/cm}$ per the reporting instructions contained in this booklet.
3. Store any remaining standard at room temperature (~ 20 - 25°C).

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.

Analyte	Units	Concentration Range	PTRL
Specific Conductance at 25°C	$\mu\text{mhos/cm}$	200 -930	170