

Instructions for: DMRQA Minerals (cat # PT-MIN-DMRQA)

STANDARD DESCRIPTION

- The DMRQA Minerals standard is provided as a 500 mL ready-to-use sample.
- The DMRQA 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 (DMRQA Conductivity). Do not report conductivity from the DMRQA 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.

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
Chloride	mg/L	35.0 - 275	29.0
Fluoride	mg/L	0.300 – 4.00	0.130
Total Hardness (as CaCO ₃)	mg/L	17.0 – 440	8.40
Sulfate	mg/L	5.00 – 125	2.80