



Instructions for Catalog # 580  
DMR-QA Hardness  
Revision 022112

Description:

- This standard is packaged in a 500 mL polyethylene bottle containing approximately 500 mL of standard.
- This standard is not preserved.
- The standard can be stored at room temperature.
- The standard contains all the analytes listed in the ranges shown on the data reporting form.

Before you begin:

- This standard has been prepared as a whole volume standard and is ready to analyze as received.
- This standard contains no acid, so you must follow your normal procedures for checking, and if necessary, adjusting the pH.
- The hardness in this standard can be determined using either titration or calculation methods.
- Be sure to shake this sample very well prior to taking an aliquot for the TSS determination.
- It is strongly recommended that you analyze for TSS prior to removing aliquots for other analyses from the Hardness bottle.
- If other analytes are to be measured prior to TSS, be sure to shake the sample very well prior to removing aliquots for any of the other parameters.
- As this standard contains suspended solids, it is best to filter a portion of the standard prior to adding preservation or aspirating the sample into any instrument.

Instructions:

1. Shake the Hardness bottle very well prior to opening.
2. Remove aliquots for the tests that you are performing and analyze by your normal procedures.
3. Report your results as mg/L for the standard provided.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.