



Instructions for Catalog # 587
DMR-QA Total Residual Chlorine
Revision 032018

Description:

- This standard is packaged in a 2 mL flame-sealed ampule containing approximately 2 mL of standard concentrate.
- This concentrate is not preserved.
- The concentrate can be stored at room temperature.
- The diluted standard will contain Total Residual Chlorine and Free Residual Chlorine in the range specified on the data reporting form.

Before you begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- Precautions should be taken to ensure that the water used to dilute the Total Residual Chlorine concentrate is chlorine and organic free.
- As the diluted standard is not stable, it must be analyzed **immediately** after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of organic/chlorine-free water to a clean 1000 mL class A volumetric flask.
2. Carefully snap the top off of the Total Residual Chlorine ampule.
3. Using a clean, dry, class A pipet or calibrated glass syringe, volumetrically transfer 1.0 mL of the concentrate into the 1000 mL volumetric flask.
4. Dilute the flask to final volume with organic/chlorine-free water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as mg/L for the diluted sample.

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.