



Instructions for Catalog # 501 WatR™ Pollution Total Residual Chlorine

Revision 121319

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.
- This product is intended to be used as a quality control check of the entire analytical process for the analytes/matrix included in the standard.
- The dilution instructions below represent the minimum suggested sample size for this product. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown on the certificate of analysis.
- The certified values apply to the diluted sample after following the stated dilution instructions.

Helpful Hints:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- Due to a potential chlorine demand from plastics, do not use any plastics when diluting this sample.
- 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.

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. Safety Data Sheets (SDS) for all ERA products are available through our website www.eraqc.com.