



Instructions for Catalog # 904
WatR™ Supply UV 254 Absorbance
Revision 010312

Description:

- This standard is packaged in a 15 mL screw-top vial containing approximately 14 mL of standard concentrate.
- This concentrate is not preserved.
- The concentrate can be stored at room temperature.
- The diluted standard will have a UV 254 absorbance 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.
- UV 254 results should be reported at a pH of 7. *Standard Methods 5910B* allows for pH adjustment prior to UV 254 analysis using hydrochloric acid or sodium hydroxide. Alternatively, the sample may be diluted in pH 7 phosphate buffer for UV 254 analysis.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water (or pH 7 phosphate buffer if applicable) to a clean 500 mL class A volumetric flask.
2. Shake the UV 254 Absorbance vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 5.0 mL of the concentrate into the 500 mL volumetric flask.
4. Dilute the flask to final volume with deionized water (or pH 7 phosphate buffer if applicable).
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as cm^{-1} .

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.