



Instructions for Catalog # 662 WatR™ Supply UV 254 Absorbance

Revision 090119

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.
- 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.
- 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.

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.

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