



Instructions for Catalog # 579  
DMR-QA Complex Nutrients  
Revision 040307

Description:

- This standard is packaged in a 15 mL screw-top vial containing approximately 14 mL of standard concentrate.
- This concentrate is preserved with approximately 1% (v/v) hydrochloric acid.
- The concentrate can be stored at room temperature.
- The diluted standard will contain the following analytes in the concentration ranges shown:

Total Kjeldahl nitrogen ..... 1.5 – 35 mg/L  
Total phosphorus as P ..... 0.5 – 10 mg/L

Before you begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- Be sure to report your TKN result as N (not as  $\text{NH}_3$ ) and your total phosphorus result as P (not as  $\text{PO}_4^{3-}$ ).
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water to a clean 1000 mL class A volumetric flask.
2. Shake the Complex Nutrients vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 5.0 mL of the concentrate into the 1000 mL volumetric flask.
4. Dilute the flask to final volume with deionized 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.