



Instructions for Catalog # 542 Nutrients in Soil

Revision 090119

Description:

- This standard is packaged in a 2-ounce glass jar containing approximately 40 grams of soil.
- This standard is not preserved.
- The standard 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.
- ERA suggests that when subsampling this product prior to analysis you use a minimum sample size of at least 1.00 g. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown on the certificate of analysis.
- Repeated sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.
- The certified values apply to the sample after following the stated instructions.

Helpful Hints:

- Although all ERA soil standards have been thoroughly blended prior to shipping, the standards should be homogenized prior to taking an aliquot for analysis due to settling which may occur during shipping.

Instructions:

1. Open the Nutrients in Soil standard in a fume hood to avoid inhalation of dust.
2. Mix the sample well prior to removing aliquots for analysis.
3. Digest or extract an aliquot of the sample and analyze using your normal procedures.
4. Determine the percent moisture of an aliquot of the Nutrients in Soil standard.
5. Adjust your results as mg/kg on a dry weight basis.

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.