



Instructions for Catalog # 606QR

Air Filter Radionuclides

Revision 060107

Description:

- This standard is packaged in 47-mm filter holder containing one 47-mm diameter glass fiber filter.
- This standard is not preserved.
- The filter should be stored at room temperature.
- The standard contains some or all of the following analytes in the activity ranges shown:

| | |
|--------------------------|-----------------------|
| Americium-241 | 2 – 80 pCi/filter |
| Cesium-134 | 50 – 1,500 pCi/filter |
| Cesium-137 | 50 – 1,500 pCi/filter |
| Cobalt-60 | 50 – 1,500 pCi/filter |
| Iron-55 | 50 – 1,500 pCi/filter |
| Manganese-54..... | 50 – 1,500 pCi/filter |
| Plutonium-238 | 2 – 80 pCi/filter |
| Plutonium-239 | 2 – 80 pCi/filter |
| Strontium-90..... | 5 – 200 pCi/filter |
| Uranium-234 | 2 – 80 pCi/filter |
| Uranium-238 | 2 – 80 pCi/filter |
| Uranium (Nat) | 4 – 160 pCi/filter |
| Uranium (Nat) mass | 6 – 240 µg/filter |
| Zinc-65..... | 50 – 1,500 pCi/filter |

Before you begin:

- This standard is supplied as a spiked filter. The entire filter must be used during preparation and analysis to determine analyte concentrations.
- All results should be reported as pCi/filter or µg/filter for mass determinations of uranium.

Standard Preparation Instructions:

1. Transfer the entire filter to the preparation vessel.
2. Use your regular preparation and analytical procedures.
3. Decay correct analytical results to the reference date shown on the standard holder.

Safety:

- ERA radiochemistry standards present radiological hazards that vary depending on the particular isotope(s) present. Knowledge of hazards associated with isotopic composition is necessary to prevent laboratory contamination and limit personnel exposure.
- 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. If you require a Material Safety Data Sheet for any ERA product, please call toll free at 1-800-372-0122.