

Experts in complex separations, from analytical to process scale.

RESOLVE® FILTERS

FOR ALPHA SPECTROMETRY SOURCE PREPARATION

eichrom **NPD**
expertise. collaboration. results.



Product Description

Eichrom's Resolve® filters for alpha spectrometry source preparation are designed to meet the radiochemist's needs for retaining analytes in a way that results in superior alpha spectral resolutions. Previous customer-reported resolution quality concerns indicated that manufacturing specifications and quality control procedures of other suppliers do not address the specific needs of the alpha spectroscopist. Eichrom's line of Resolve® filters are manufactured to specifications appropriate for alpha source preparation.

Benefits

- Provide reproducible performance in alpha spectroscopy.
- Are stringently tested and proven to exhibit a uniform spectral resolution across all product lots.

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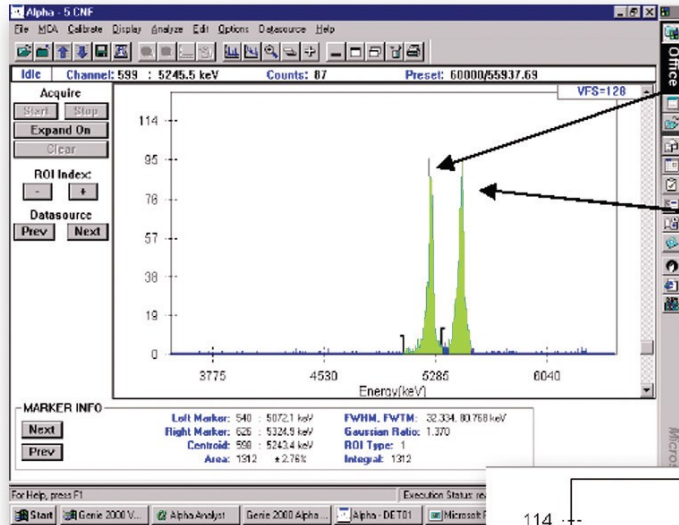


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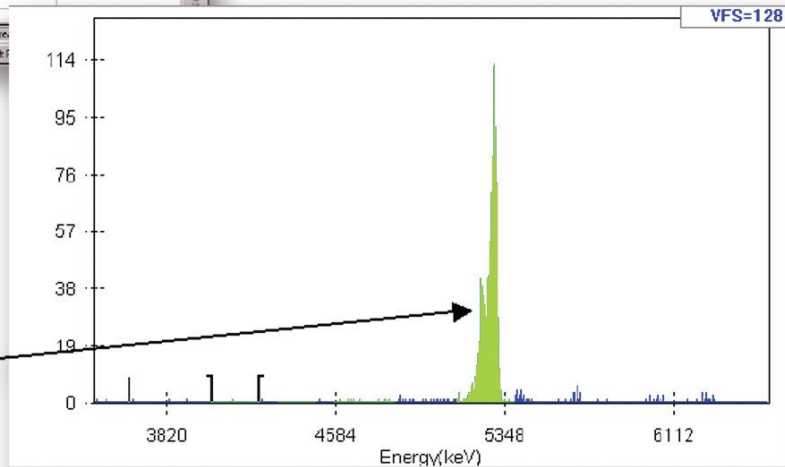
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Am-243
FWHM: 32 keV

Am-241
FWHM: 31 keV

U-232
FWHM: 29 keV



Quality Control

Eichrom's Resolve® filters are put through a stringent quality control test to guarantee filter performance. The test measures the alpha spectral resolution of ²⁴¹Am and ²⁴³Am on each lot of filter media with quality control specifications set at Full Width Half Maximum (FWHM) ≤50 keV for each peak.

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