



Calibration Filter Sets



Andover offers two filter sets for verifying the transmittance and absorbance scales of visible absorption spectrophotometers with maximum bandwidths of 2.2nm and 6.5nm. Made of uncoated Schott NG-4 and NG-5 glass, the filters are polished over the central 5mm x 20mm area to a transmitted wavefront of $\lambda/4$ wave or better at 633nm and parallelism of 30 arc seconds or better. The transmission value of each filter is measured on a spectrophotometer calibrated with standards directly traceable to the National Institute of Standards and Technology (NIST).

- Spectrophotometric glass filters for verifying transmittance and absorption scales
- Calibration standards traceable to NIST Shipped in an aluminum storage case

General Specifications

Each filter is mounted in a black anodized aluminum holder compatible with the 1cm cuvette holder supplied with most spectrophotometers. Individual filters have removable shutters to protect the glass from damage. Every filter set is shipped with a Certificate of Calibration, stating the transmission value of each filter at wavelengths of 440nm, 465nm, 546.1nm, 590nm and 635nm.

AC-930 Filter Set

The AC-930 calibration filter set consists of three absorption glass filters and one blank holder to be used as a balancing filter. The nominal transmittance values of these filters are 10%, 20%, and 30%.

AC-1930 Filter Set

The AC-1930 filter set consists of three absorption glass filters and one blank holder to be used as a balancing filter. The nominal transmittance values of these filters are 1%, 3%, and 50%.

Recalibration Service

Each calibration filter set is certified for two years. At the end of that period, sets should be returned to Andover Corporation in their original shipping box for cleaning, recalibration, and recertification. Please contact the Quality Control Department at (888) 893-9992 for a Recalibration Return Number before returning your filter set.



	Transmittance Values	Part Number
AC-930 Filter Set	10%, 20%, 30%	AC-930
AC-1930 Filter Set	1%, 3%, 50%	AC-1930