

3. LIQUID FILTERS

SETS



Measurement in accordance with Ph. Eur.

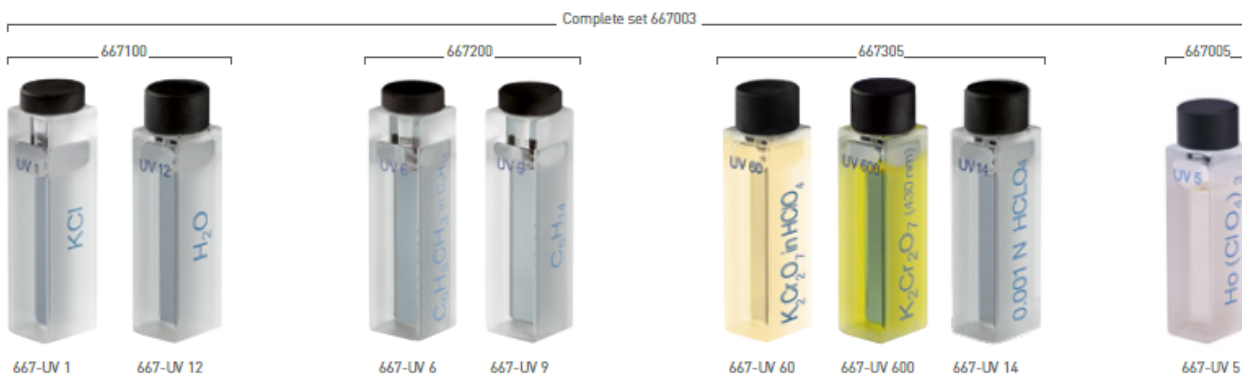
3.5 Liquid filter sets

3.5.1 Set in accordance to Ph. Eur.

The complete liquid filter set – art. no. **667003** – was compiled on the basis of European Pharmacopeia requirements and contains all filters required to carry out a complete spectrophotometer check.

- ✓ Checking wavelength accuracy (UV5)
- ✓ Checking photometric accuracy (UV60, UV600, UV14)
- ✓ Checking stray light (UV1 and UV12)
- ✓ Checking spectral resolution (UV6 and UV9)

All liquid filters consist of reference materials that are filled into precision Hellma cuvettes made of high performance quartz glass. These cuvettes are permanently sealed, and the complete set is delivered in a high-quality storage box. To ensure easy identification, each filter is engraved with its serial number. The calibration values measured for each filter can be found on the DAkkS and Hellma Analytics calibration certificates provided.



ARTICLE NO.	667003
APPLICATION	Complete set for checking spectrophotometers acc. Ph. Eur. Wavelength accuracy, photometric accuracy, stray light and spectral solution
CONTENT	UV1, Potassium Chloride in pure water; UV12, pure water (reference filter); UV5, Holmium in perchloric acid; UV6, Toluene in hexane; UV9, Hexane (reference filter); UV60, 60 mg/l Potassium Dichromate in perchloric acid with 0.3 – 0.9 Abs; UV600, 600 mg/l Potassium dichromate in perchloric acid; UV14, Perchloric acid (reference filter)
STANDARD CERTIFICATION	UV1: carried out against reference water (UV12), wavelengths: Cut-Off 200 nm; slit width: 2 nm UV12: wavelengths: 198, 200, 300, 400 nm, slit width: 2 nm (measurements against air) UV5: wavelengths: 241; 287; 361; 536; 640 nm; slit width: 1 nm UV6/UV9: wavelengths: Scan from 265 to 270 nm; slit width: 0.5; 1.0; 1.5; 2.0; 3.0 nm UV60: approx. 0.3 – 0.9 Abs wavelengths: 235; 257; 313; 350 nm; slit width: 2 nm UV600: approx. 1.0 Abs wavelengths: 430 nm; slit width: 2 nm
POSSIBLE CERTIFICATION	UV1/UV12: wavelengths: fixed; slit width: all until 5 nm UV5: wavelengths: 241; 250; 278; 287; 333; 345; 361; 386; 416; 451; 468; 485; 536; 640 nm; slit width: all until 2 nm, above peaks become indistinct UV6/UV9: wavelengths: fixed; slit width: 0.5 nm to 3 nm UV60: wavelengths: fixed; slit width: up to 2 nm UV600: wavelengths: fixed; slit width: up to 2 nm