



CHECKING WAVELENGTH ACCURACY

LIQUID FILTER HOLMIUM + DIDYMIUM

Hellma[®]Analytics
High Precision in Spectro-Optics

HoDi liquid filter from 241 nm to 864 nm

APPLICATION

To measure wavelength accuracy, the filter reduces the light beam of the spectrophotometer to a greater extent at certain wavelengths (peaks). Ideally, any standards used to determine wavelength accuracy should have narrow, well-defined peaks at a variety of wavelengths in the UV and visible range.

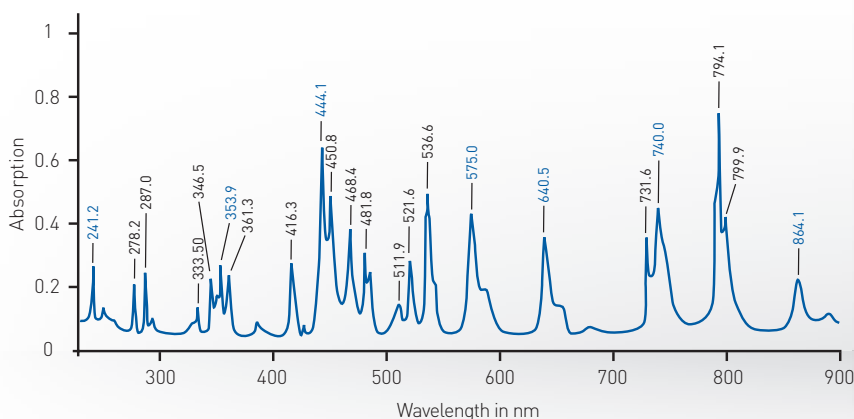
PRODUCT DESCRIPTION

The HoDi liquid filter consists of a solution of holmium and didymium (praseodymium and neodymium) in perchloric acid. This filter features an especially broad wavelength spectrum and is therefore ideally suited to checking the wavelength accuracy of spectrophotometers in the UV and visible range. It has a broad spectrum with a variety of characteristic, very well-defined peaks in the range between 241 nm and 864 nm. Depending on the performance of the spectrophotometers used, up to 22 peaks can be detected at a slit width of 1 nm.

// Checking the UV-Vis wavelength accuracy

// Broad wavelength spectrum from 241– 864 nm

// Two filters in one: Holmium + Didymium = **HoDi**



Typical spectrum of a HoDi filter, measured at a slit width of 1 nm.



ARTICLE-NO.	667045
APPLICATION	Checking the wavelength accuracy in the UV- and Vis-range
CONTENT	Holmium and Didymium in Perchloric Acid
STANDARD CERTIFICATION	Wavelength: 241; 354; 444; 575; 641; 740; 864 nm Slit width: 1 nm
POSSIBLE CERTIFICATION	Wavelength: 241; 278; 287; 333; 347; 354; 361; 416; 444; 451; 468; 482; 512; 522; 537; 575; 641; 732; 740; 794; 800; 864 nm

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