CHECKING WAVELENGTH ACCURACY

LIQUID FILTER RARE EARTH

Hellma® Analytics
High Precision in Spectro-Optics

Rare earth liquid filter from 201 nm to 252 nm

APPLICATION

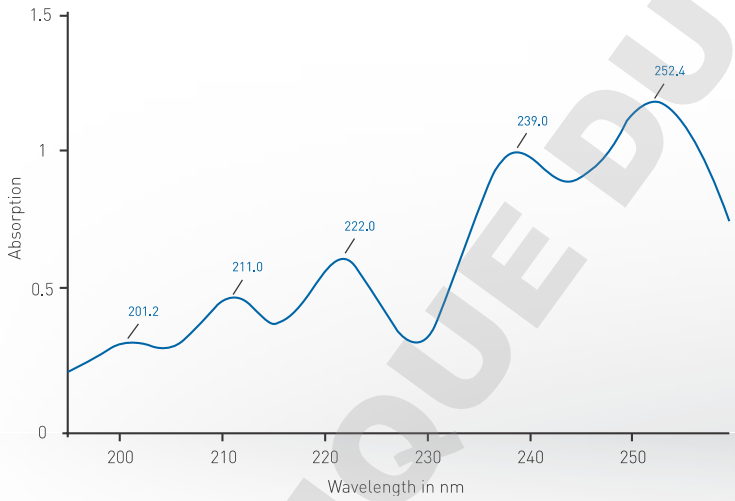
To measure wavelength accuracy, the filter reduces the light beam of the spectrophotometer to a greater extent at certain wavelengths (peaks). Ideally, any standards used to determine wavelength accuracy should have narrow, well-defined peaks at a variety of wavelengths in the UV range.

PRODUCT DESCRIPTION

The rare earth liquid filter consists of a solution of rare earth metals dissolved in perchloric acid. This filter is ideally suited to checking the wavelength accuracy of spectrophotometers in the low UV range. It has a spectrum with five characteristic peaks in the range from 201 nm to 252 nm.

// Specially developed for checking wavelength accuracy in the low UV range

// Wavelength spectrum from 201 – 252 nm



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



ARTICLE-NO.	667035
APPLICATION	Checking the wavelength accuracy in the low UV range
CONTENT	Rare Earth in Perchloric Acid
STANDARD CERTIFICATION	**Wavelength:** 201; 211; 222; 239; 252 nm **Slit width:** 1 nm

Hellma GmbH & Co. KG
Klosterrunsstraße 5 // 79379 Müllheim/Germany
phone: +49 7631 182 1020 // fax: +49 7631 182 1011
e-mail: sales.analytics@hellma.com

www.hellma-analytics.com

DOMINIQUE DUTSCHER SAS