



## VERIFICATION FILTERS FOR SPECTROPHOTOMETERS

### Code HJG001\_ HJG008

■ To comply with major national and international regulations and standardization requirements, such as Good Laboratory Practice (GLP) and the ISO 9000–9004 series standards, it is essential to carry out periodic inspections to ensure the proper functioning of spectrophotometers. Regular verification of instrument performance is a key element in guaranteeing the quality of analytical procedures and ensuring the accuracy and reliability of the results obtained.

■ Each filter is mounted in a housing compatible with 1 cm cuvette holders and is supplied with an individual calibration certificate indicating the absorbance and wavelength values.

### Didymium Glass Filter

#### Code HJG001



<b>Code</b>	HJG001
<b>Description</b>	Didymium F5
<b>Peak positions (nm)</b>	327, 473, 513, 684, 875
<b>Absorvancia nominal (nm)</b>	5.0 (280 nm); 3.0 (300 nm); 0.5 (320 nm); 0.2 (340 nm)

### Holmium Oxide Glass Filter

#### Code HJG008



■ Recommended for UV/Vis spectrophotometers

<b>Code</b>	HJG008
<b>Description</b>	Óxido de Holmio F1
<b>Peak positions (nm)</b>	279, 364, 454, 536, 638



# VERIFICATION FILTERS FOR SPECTROPHOTOMETERS

## Neutral Density Glass Filters

Code HJG003 - HJG004 - HJG005



- Grey glass filters for verifying photometric accuracy (absorbance) in the visible range (440 nm to 635 nm).
- Neutral density filters show a relatively constant transmission across the visible spectrum and are calibrated at specific wavelengths.
- The thickness of the glass filter has been adjusted to provide nominal absorbance values of 0.25 A, 0.5 A, and 1 A.

Code	HJG003	HJG004	HJG005
Description	F2	F3	F4
Tolerance (A)	± 0,05	± 0,10	1
Nominal absorbance (nm)	0,25	0,5	1
Measured wavelengths at (nm)	440, 465, 546, 590, 635		

## Filter Set

Code HJG007



- Includes 1 Holmium Oxide ( $\text{Ho}_2\text{O}_3$ ) filter for wavelength accuracy verification and 3 neutral density filters for photometric verification. Supplied in a wooden case with an empty mount and a calibration certificate indicating absorbance and wavelength values. A copy of these values is included on the inside lid of the case.

Code	HJG007
Composed of	Holmium Oxide Filter (F1) (HJG008) Neutral Density Optical Filter (F2) (HJG003) Neutral Density Optical Filter (F3) (HJG004) Neutral Density Optical Filter (F4) (HJG005)

## Accessories

Code HJG002 - HJG006

Code	HJG002	HJG006
Description	Empty filter mount	Empty case for 5 filters