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Product Information

HOLMIUM WAVELENGTH CALIBRATION STANDARD

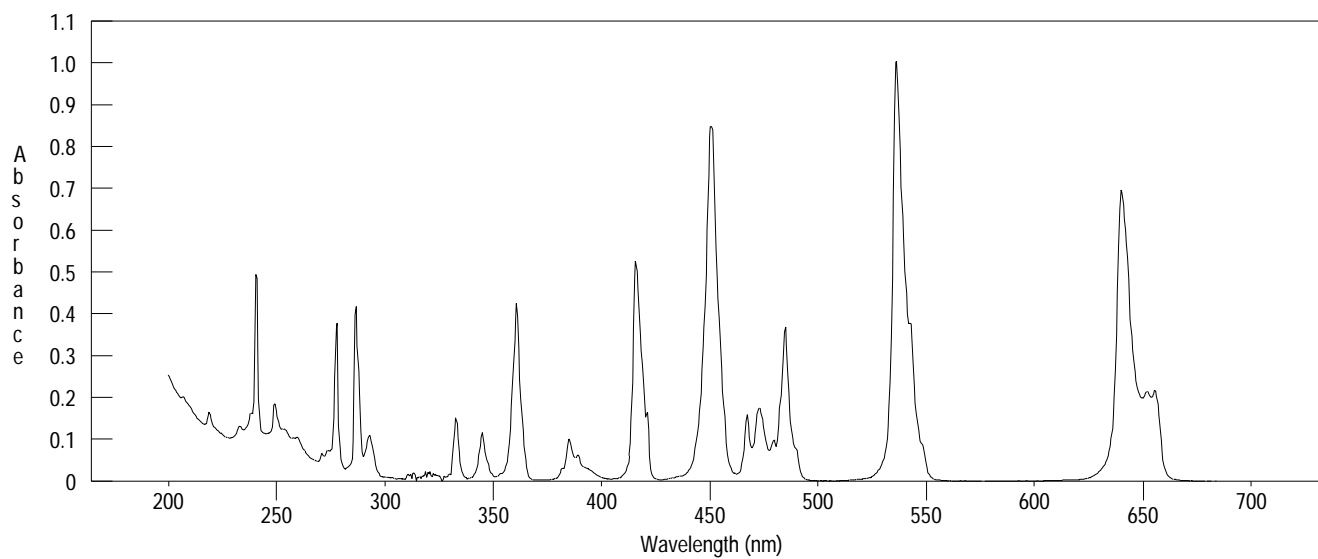
Product No. **H 8015**
Lot 31K8811

Holmium Wavelength Calibration Standard is a high-quality secondary reference standard offered as a suitable alternative to NBS Holmium Oxide Solution (No. 2034). It is used to establish the accuracy of conventional spectrophotometers in the spectral range 240 to 650 nm. The product consists of Holmium perchlorate (15% w/v) in 10% perchloric acid, supplied as a 3 ml sample in a flame sealed glass ampule. The absorbance of the standard has been normalized against NBS Holmium Oxide Solution (No. 2034). The absorbance spectrum of Lot 31K8811 is shown below along with the comparison of selected wavelength maxima of this lot versus the NBS Standard.

Reference: Graselli, J.G., CRC Atlas of Spectral Data and Physical Constants for Organic Compounds, pp. A-60 (1973).

WAVELENGTH OF ABSORBANCE MAXIMA GREATER THAN 0.2:

H8015 31K8811	NBS Standard
240.5	240.5
278.0	278.0
287.0	287.0
361.0	361.0
416.0	416.0
451.0	451.0
485.0	485.0
536.5	536.5
640.0	640.0



Absorbance spectrum of Holmium perchlorate (15% w/v) in 10% perchloric acid (H 8015, Lot 31K8811).
Conditions: 1 nm Bandwidth; 0.5 nm Data Interval; 100 nm/min Scan speed; 1 cm path length, quartz cuvette.
Instrument: UVICON 940, Kontron Instruments.

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