

## Product Information

### HOLMIUM WAVELENGTH CALIBRATION STANDARD

Product No. **H 8015**

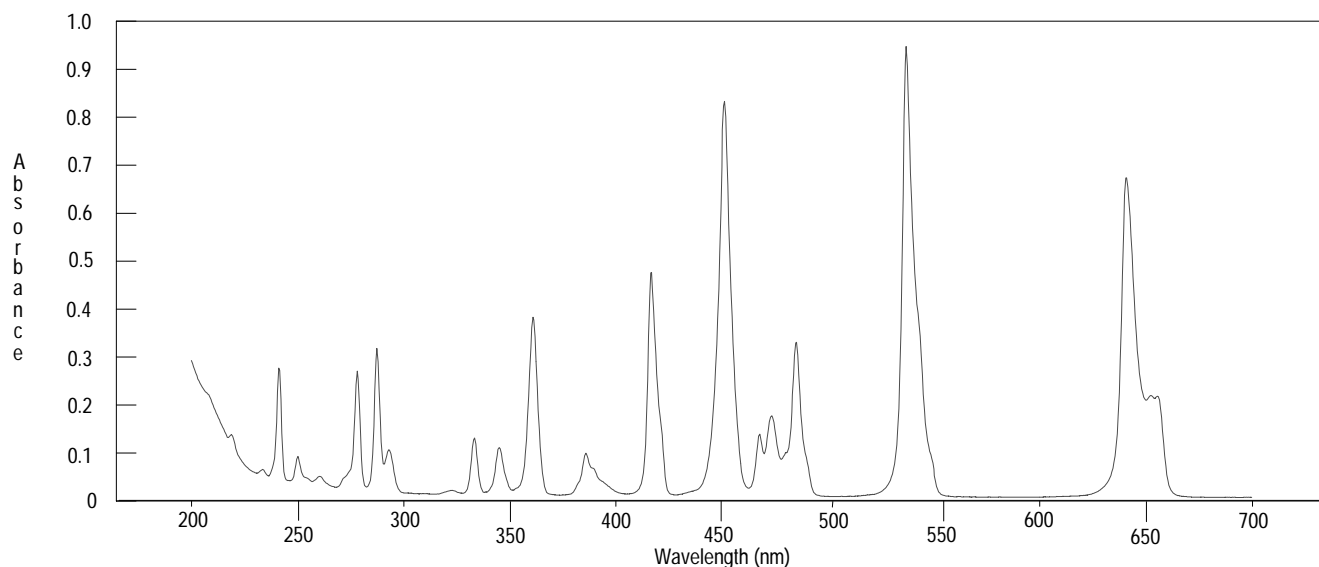
Lot 103K8804

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 103K8804 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 103K8804	NBS Standard
241.0	241.0
278.0	278.0
287.5	287.5
361.0	361.0
416.5	417.0
451.5	451.5
485.5	485.5
537.0	537.0
641.0	641.0



Absorbance spectrum of Holmium perchlorate (15% w/v) in 10% perchloric acid (H8015, Lot 103K8804). Conditions: 1 nm Bandwidth; 0.5 nm Data Interval; 100 nm/min Scan speed; 1 cm path length, quartz cuvette. Instrument: Bio-Tek Uvikon XL.