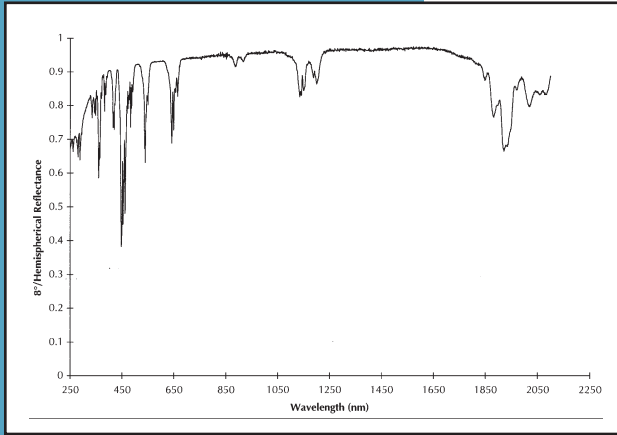
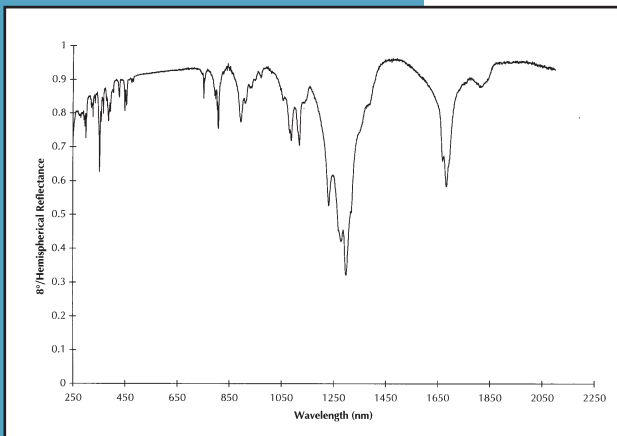


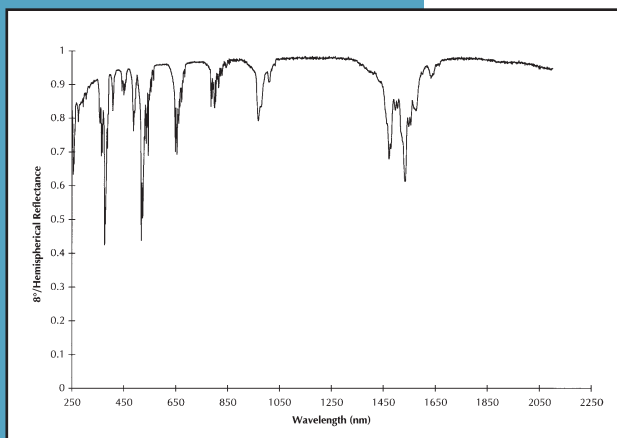
# SPECTRALON WAVELENGTH CALIBRATION STANDARDS



◆ **HOLMIUM OXIDE STANDARD**



◆ **DYSPROSIUM OXIDE STANDARD**



◆ **ERBIUM OXIDE STANDARD**



## SPECTRALON UV-VIS-NIR WAVELENGTH CALIBRATION STANDARDS SETS

Spectralon wavelength calibration standard sets consist of three wavelength calibration standards covering the UV-VIS-NIR region of the spectrum. Each wavelength standard is formulated by impregnating a Spectralon substrate with the oxide of a rare earth element which displays sharp absorption spikes at specific wavelengths. Complete absorption spectral data is supplied with each standard. The three standards available include:

**Holmium Oxide** - for UV-VIS-NIR calibrations

**Dysprosium Oxide** - for NIR calibrations

**Erbium Oxide** - for VIS-NIR calibrations

These durable and chemically inert standards are ideal for wavelength calibration of spectrophotometers, reflectometers and other spectral instruments. Custom wavelength calibration standards are available to meet your individual needs. Please contact our Technical Sales Department for information about custom standards development.

### SPECIFICATIONS AND ORDERING INFORMATION

SET PART NO.	STANDARDS INCLUDED	STANDARD TYPE	REFLECTIVE AREA (inches)
WSS-03-010	WCS-HO-010	Holmium Oxide	1.25 D
	WCS-DO-010	Dysprosium Oxide	1.25 D
	WCS-EO-010	Erbium Oxide	1.25 D
WSS-03-020	WCS-HO-020	Holmium Oxide	2.00 D
	WCS-DO-020	Dysprosium Oxide	2.00 D
	WCS-EO-020	Erbium Oxide	2.00 D

Please refer to the Price and Ordering Guide for ordering wavelength calibration standards individually.

# SPECTRALON MULTI-COMPONENT WAVELENGTH CALIBRATION STANDARD

## SPECTRALON MULTI-COMPONENT WAVELENGTH CALIBRATION STANDARD

The Spectralon Multi-component Wavelength Calibration Standard combines three rare earth oxides — holmium oxide, erbium oxide, and dysprosium oxide — to provide a consistently stable standard that exhibits high resolvable peaks and strong absorbance characteristics. The standard is used for establishing the accuracy of the near infrared (NIR) wavelength scale of reflectance spectrophotometers.

Made from Labsphere's proprietary Spectralon diffuse reflectance material, these durable, washable, and chemically inert standards are ideal for calibration of monochromators and reflectance spectrophotometer system arrays.

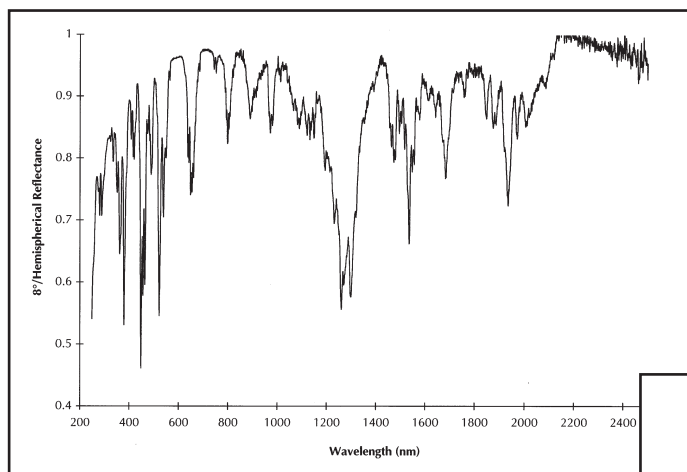
Calibration data for peak absorbance wavelengths, and relative to maximum absorbance is provided with the standard. Calibration is traceable to National Institute of Standards and Technology (NIST).

### Ordering Information

The standard is available in 1 inch or 2 inch diameters; housed in a durable delrin holder with a protective cover.

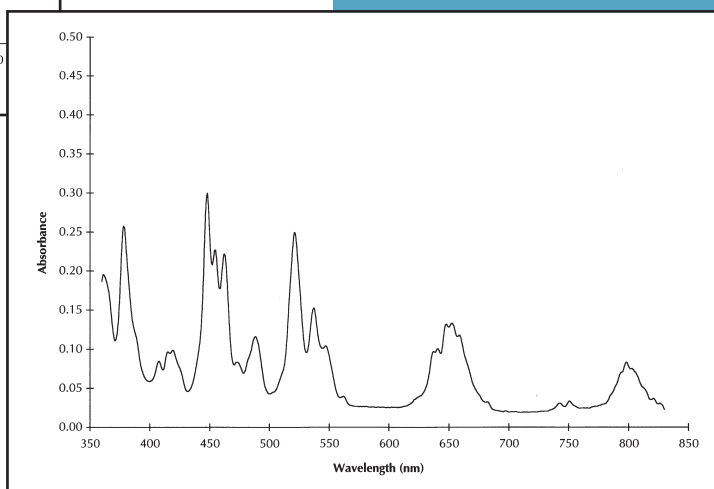
## FEATURES

- ◆ Consistent Reflectance
- ◆ Highly Diffuse
- ◆ Thermally Stable
- ◆ Durable



*8°/Hemispherical Reflectance - Multi-Component Wavelength Calibration Standard*

*Absorbance Spectrum - Multi-Component Wavelength Calibration Standard*



## SPECIFICATIONS AND ORDERING INFORMATION

PART NO.	REFLECTIVE AREA (INCHES)	OVERALL DIMENSIONS (INCHES)
WCS-MC-010	1.25 D	1.50 D X 0.55 H
WCS-MC-020	2.00 D	2.38 D X 0.60 H