H8015 SIGMA

Holmium wavelength calibration standard

Precio y Disponibilidad

SKU - Tamaño de Envase	Disponibilidad	Precio (MXP)	Cantidad
H8015-3ML	**Ships on 13.03.12 - Desde**	**2,878.00**	0

Hellma® calibration standards set

complete set for photometric accuracy and wavelength accuracy

Precio y Disponibilidad

SKU - Tamaño de Envase	Disponibilidad	Precio (MXP)	Cantidad
Z600040-1EA	**Fuera de Stock - Fecha de embarque , no disponible**	**21,640.00**	0

http://www.sigmaaldrich.com/catalog/product/fluka/z600040?lang=es&region=MX&cm_sp=Customer_Favorites-_-Detail_Page-_-Text-Z600040

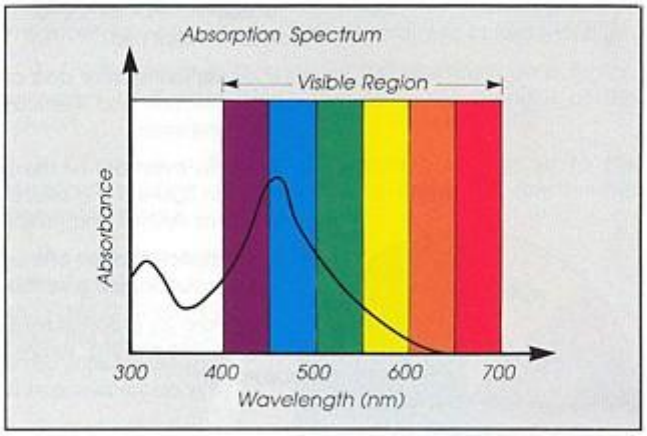

Absorption Spectrum
Visible Region
Absorbance
300
400
500
600
700
Wavelength (nm)

FIG 4

Portion of the spectrum	Wavelength Range (nm)		
Radio waves	2×10^{12}	——	10^{9}
Micro waves	10^{9}	——	300,000
Infrared rays (IR)	300,000	——	3000
Near infrared	3000	——	780
Visible rays	780	——	380
Near ultra violet rays(UV)	380	——	200
Far ultra violet rays	200	——	50
X-rays	50	——	10^{-1}
(Gamma) X-rays	10^{-1}	——	10^{-3}
Cosmic rays	10^{-3}	and less	

Most of us are more familiar with the visible, UV and IR segments of the spectrum so lets look at these regions more closely and label them according to the kind of measurements made in the respective regions.

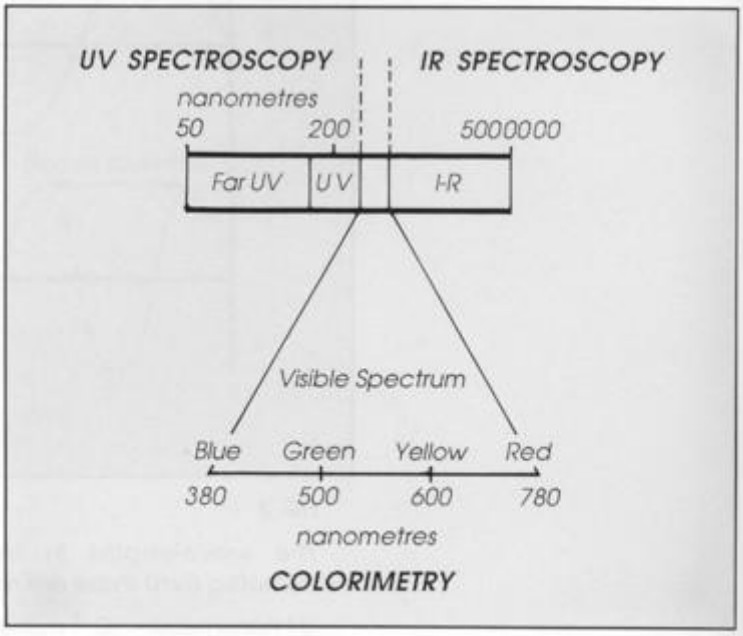
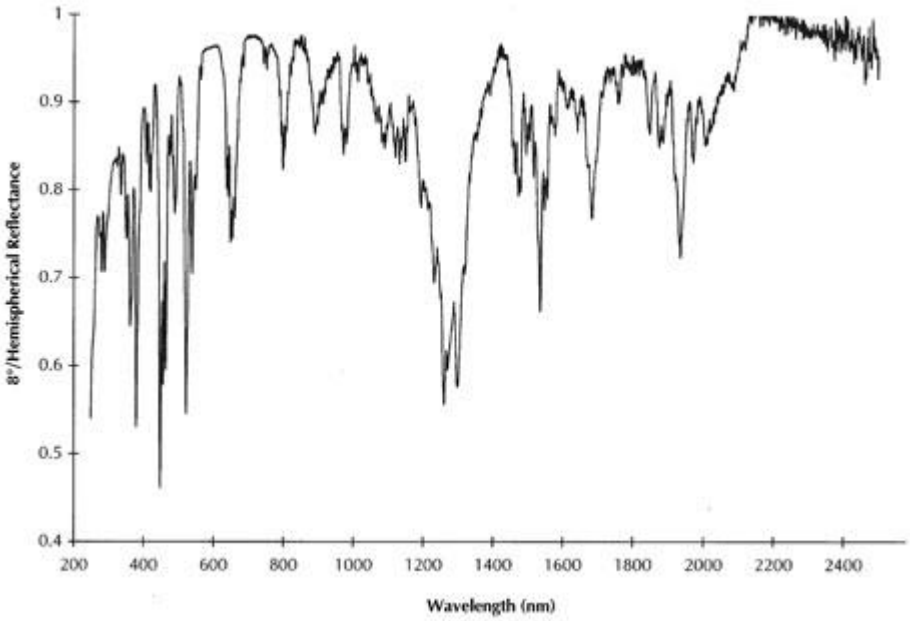
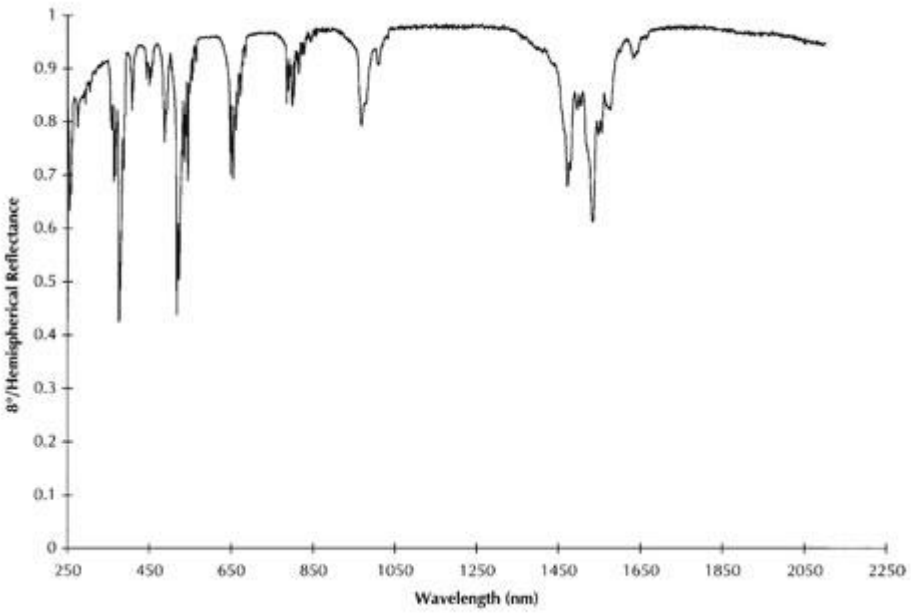


FIG 3

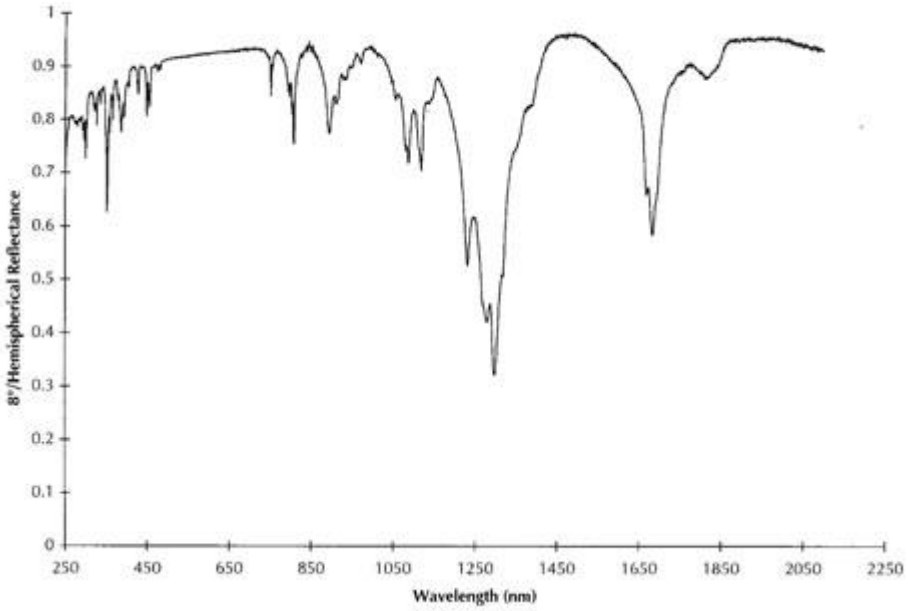
Espectros para calibración de espectrofotometros[i]



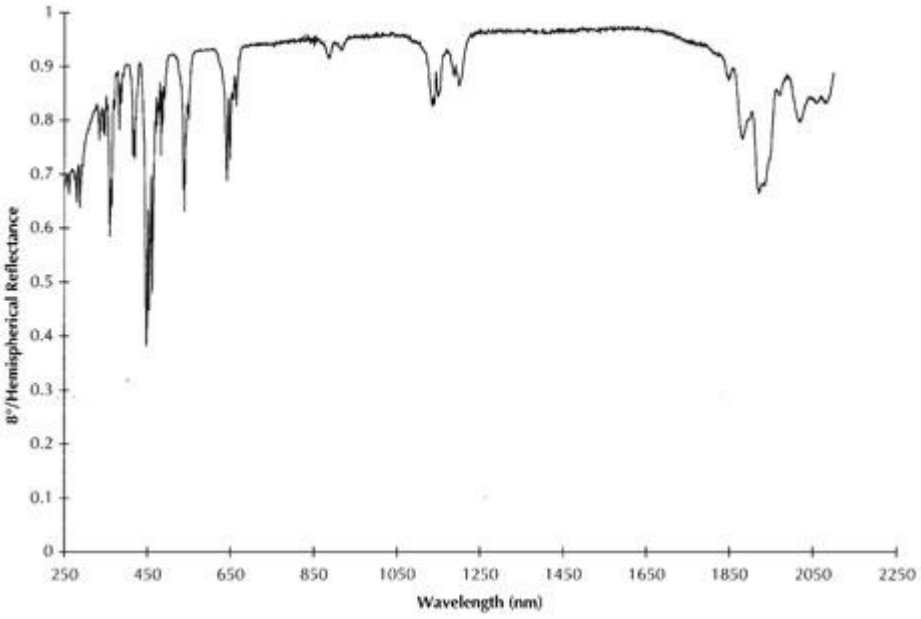
Multi-Component Wavelength Calibration Standard
With wavelengths including:
378.9 - 380.9 nm
447.6 - 449.6 nm
453.6 - 455.6 nm
521.4 - 523.4 nm
1009.5 - 1013.5 nm
1134.1 - 1138.1 nm
1198.6 - 1202.6 nm
1230.5 - 1234.5 nm
1299.3 - 1303.3 nm
1470.0 - 1474.0 nm
1476.0 - 1478.0 nm
1682.0 - 1686.0 nm
1932.5 - 1936.5 nm



Erbium Oxide Standard
With wavelengths including:
378.9 - 380.9 nm
521.4 - 523.4 nm
1009.5 - 1013.5 nm
1470.0 - 1474.0 nm
1476.0 - 1478.0 nm



Dysprosium Oxide Standard
With wavelengths including:
1087.8 - 1091.8 nm
1230.5 - 1234.5 nm
1299.3 - 1303.3 nm
1682.0 - 1686.0 nm



Holmium Oxide Standard
With wavelengths including:
447.6 - 449.6 nm
453.6 - 455.6 nm
1134.1 - 1138.1 nm
1198.6 - 1202.6 nm
1932.5 - 1936.5 nm

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[i] http://www.labsphere.com/products/reflectance-standards-and-targets/spectralon-reflectance-standards/wavelength-calibration-standards.aspx