

Out of Stock - Product is not available at this time - Near infrared wavelength/reflection standard

Art. ID	NIST-2036
Unit	each
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is a certified transfer standard intended for the verification and calibration of the wavelength/wavenumber scale of Near-Infrared (NIR) spectrometers operating in diffuse reflectance mode. NIST-2036 is a glass physically contacted with a piece of sintered polytetrafluoroethylene (PTFE). The combination of the rare earth oxide glass with a nearly ideal diffuse reflector provides reflection-absorption bands that range from approximately 15 % R to 40 % R. NIST-2036 is certified for the 10 % band fraction centroid of seven bands spanning the spectral region from 975 nm to 1946 nm (air wavelength). In addition, it is certified for the 10 % band fraction centroid location of the same seven bands in the spectral region from 10300 cm⁻¹ to 5130 cm⁻¹ at 8 cm⁻¹ resolution (vacuum wavenumber).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
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