

Holmium Oxide Solution Wavelength Standard (240 nm to 650 nm)

Art. ID	NIST-2034
Unit	Cuvette
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1760 II E2

Description

This Standard Reference Material (SRM) is a certified transfer standard intended for the verification and calibration of the wavelength scale of ultraviolet and visible absorption spectrophotometers having nominal spectral bandwidths not exceeding 3 nm. NIST-2034 is certified for the wavelength location of minimum transmittance for 14 bands in the spectral range from 240 nm to 650 nm and at six spectral bandwidths from 0.1 nm to 3 nm. A unit of NIST-2034 consists of a solution in a flame-sealed, nonfluorescent, fused-silica cuvette of optical quality (parallel to ~0.9 mrad and flat to $\pm 1 \mu\text{m}$). A protective cap is glued over the fused end of the cuvette. The square-bottomed (12.5 mm x 12.5 mm) cuvette has a nominal pathlength of 10 mm and the height is 60 mm, which fits in the sample compartment of most conventional absorption spectrophotometers. The solution contains 4 % (mass fraction) holmium oxide (Ho₂O₃) in 10 % (volume fraction) perchloric acid (HClO₄).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Please ask for the current certificate						