

Relative Intensity Correction Standard for Raman Spectroscopy: 830 nm

Art. ID	NIST-2246a
Unit	each
Deliverydetails	No Dangerous Good /not restricted

Description

The certified values delivered by this Standard Reference Material (SRM) are for the correction of the relative intensity of Raman spectra obtained with instruments employing 830 nm continuous wave laser excitation. SRM 2246a is a chromium oxide doped (0.30 % mole fraction) borosilicate glass that emits a broadband luminescence spectrum when excited at 830 nm. A unit of this SRM consists of a glass slide that is approximately 10 mm in width × 10 mm in length × 1.65 mm in thickness, with one surface optically polished and the opposite surface ground to a frosted finish using a 400 grit polish. The glass slide is mounted in a 2.5 cm × 7.6 cm × 0.3 cm microscope slide-style holder. On the top face is a rectangular slot to retain the glass slide over a circular aperture in the center of the holder. Two plastic springs serve to hold the glass slide in the slot centered over the circular aperture. Removal of the SRM glass for measurements that are physically hindered by the holders does not alter the certified properties of this SRM. /// Please ask for the certificate