

infrared

Region of the electromagnetic spectrum extending from 780 nm to about 20 000 nm.

According to the CIE, the range between 780 nm and 1 mm is subdivided into:

IR-A 780–1400 nm

IR-B 1.4–3 μm

IR-C 3 μm –1 mm

Note:

This is the wavelength region in which absorption by a molecular entity causes excitation of its vibrational, rotational, and bending modes.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 354