

Abstract Submitted
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Infrared Absorbance of SF-6 E.B. NIESCHMIDT, Idaho State University, S.H. VEGORS — The infrared absorbance spectrum of sulfur hexafluoride has been studied using a Fourier Transform Infrared Spectrometer (FTIR). Eighty two different absorbance lines were observed and definitely assigned to be SF-6 absorbances. Twenty seven other absorbance lines were observed and are tentatively assigned to be SF-6 absorbances. These absorbance energies will be reported. Three energy levels in each of the vibrational spectra ν_1 , ν_3 , ν_4 , ν_5 and ν_6 as well as two energy levels in ν_2 have been assigned and also will be reported.

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