

FIRST ANALYSIS OF THE ν_5 BAND OF DNO₃ (DEUTERATED NITRIC ACID) IN THE 11 μm REGION

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The infrared spectrum of DNO₃ (deuterated nitric acid) was recorded at high resolution (0.0018 cm^{-1}) in the $800\text{ -}1400\text{ cm}^{-1}$ region on the Bruker IFR 120 HR Fourier transform spectrometer of Wuppertal. The analysis of the ν_5 A-type band of DNO₃ centered at 887.656 cm^{-1} was performed taking use of the ground state parameters achieved by Drouin et al. ^a. This band is perturbed by several resonances. ^b

^aDrouin, Miller, Fry, Petkie, Helminger, Medvedev, *J. Mol. Spectrosc.* 236 (2006) 2934

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