

ROTATIONALLY RESOLVED FLUORESCENCE EXCITATION SPECTROSCOPY OF BENZYL ALCOHOL .^a

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Benzyl alcohol has been the subject of many spectroscopic investigations in the gas phase, including REMPI, IR-UV double resonance and UV band contour analysis. However, ambiguities exist regarding the nature of the observed transitions and the true gas phase structure of the isolated molecule. In this paper, attempt will be made to clarify these issues by means of rotationally resolved laser induced fluorescence spectroscopy of benzyl alcohol and its deuterated analog.

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