

# Phase dependence of the ir spectra of nitrobenzene

Clavijo-Campos, R. Ernesto

Weiss-López, Boris

The IR spectra of nitrobenzene-do and -ds were recorded in gas and liquid phases at 25° C and in amorphous solid phase at -170°C. The appearance of new bands and intensity changes going from liquid to solid phase spectrum, are interpreted in terms of molecular symmetry modifications. A normal coordinates analysis was performed and the potential energy distribution agrees well with previous assignments. © 1990, Taylor & Francis Group, LLC. All rights reserved.