

This desk reference, necessary for every practicing spectroscopist, represents the first definitive book written specifically to integrate knowledge about group frequencies in infrared as well as Raman spectra. In addition to detailing characteristic group frequencies of compounds from a comprehensive assortment of categories, the book includes a collection of spectra and a literature search conducted to verify existing correlations and to determine ways to enhance correlations between vibrational frequencies and molecular structure. Particular attention has been given to the correlation between Raman characteristic frequencies and molecular structure. Displaying infrared and Raman spectra and listing frequencies along with succinct, descriptive text, this handbook will provide a much needed reference for practicing vibrational spectroscopists in academia and industry.

"Above all things, this book is a scholarly *tour de force*. Certainly it is one that will merit a place both on my own bookshelf and in my lab when it is published."

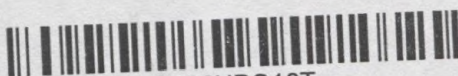
— **Peter R. Griffiths**  
*University of Idaho*

"This text is a masterful update of Bellamy's classic work, *Infrared Spectra of Complex Molecules*. It faithfully preserves the style and broad literature coverage of Bellamy. It is also ample evidence that the field of infrared group frequencies is as dynamic as ever. This is a first class treatment and with the inclusion of detailed discussions of Raman data, it stands alone. It should be in the library of all scientists dealing with the spectroscopy of organic molecules."

— **Dana W. Mayo**  
*Bowdoin College*

"These well known spectroscopists have integrated the established IR and Raman characteristic frequencies of organic molecules into a unique, well documented handbook including IR and Raman spectra and correlation charts. Students as well as established scientists will benefit by having this well written compendium available for reference."

— **Richard A. Nyquist**  
*Dow Chemical Company*



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The Handbook of Infrared frequencies of Organic Molecules -  
Used, Like New

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