



# The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules

*By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli*

Download now

Read Online ➔

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules** By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli

This necessary desk reference 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 the spirit of previous classics developed by Bellamy and others, this volume has expanded its scope and updated its coverage. 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.

- Constitutes a necessary reference for every practicing vibrational spectroscopist
- Provides the new definitive text on characteristic frequencies of organic molecules
- Incorporates group frequencies for both infrared and Raman spectra
- Details the characteristic IR and Raman frequencies of compounds in more than twenty major categories
- Includes an extensive collection of spectra
- Compiled by internationally recognized experts

 [Download The Handbook of Infrared and Raman Characteristic ...pdf](#)

 [Read Online The Handbook of Infrared and Raman Characteristi ...pdf](#)

# The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules

*By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli*

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules** By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli

This necessary desk reference 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 the spirit of previous classics developed by Bellamy and others, this volume has expanded its scope and updated its coverage. 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.

- Constitutes a necessary reference for every practicing vibrational spectroscopist
- Provides the new definitive text on characteristic frequencies of organic molecules
- Incorporates group frequencies for both infrared and Raman spectra
- Details the characteristic IR and Raman frequencies of compounds in more than twenty major categories
- Includes an extensive collection of spectra
- Compiled by internationally recognized experts

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules** By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli **Bibliography**

- Rank: #2699112 in Books
- Published on: 1991-10-22
- Original language: English
- Number of items: 1
- Dimensions: 1.21" h x 6.28" w x 9.31" l,
- Binding: Hardcover
- 503 pages



[Download The Handbook of Infrared and Raman Characteristic ...pdf](#)



[Read Online The Handbook of Infrared and Raman Characteristi ...pdf](#)

**Download and Read Free Online The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli**

---

## **Editorial Review**

### **Review**

"This handbook is a worthy follower to Bellamy's books and will be indispensable for planning and performing analyses. As a bonus, the book is beautifully produced: it has fine paper and printing and is well bound, as befits a book likely to be opened frequently." --**SPECTROSCOPY**

"A new text on this subject was desperately needed and this book admirably addresses this need....Obviously, a huge effort went into its preparation. It is truly an academic tour de force....This book achieves its goals admirably and should become the new Bellamy for at least the next ten years. It is strongly recommended for anyone who deals with the interpretation of the vibrational spectra of organic compounds." --**JOURNAL OF THE AMERICAN CHEMICAL SOCIETY**

"This book is an excellent handbook for anyone interested in spectroscopic properties of organic molecules and is a perfect starting place for characterizing organic molecules through their spectroscopic properties." --**ANALYTICAL CHEMISTRY**

"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**

"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." --**R.A. Nyquist, THE DOW CHEMICAL COMPANY**

"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**

Excerpt. © Reprinted by permission. All rights reserved.  
A reference for all spectroscopists.

## **Users Review**

### **From reader reviews:**

#### **Morgan Woods:**

A lot of people always spent their particular free time to vacation or maybe go to the outside with them family or their friend. Were you aware? Many a lot of people spent these people free time just watching TV, or perhaps playing video games all day long. If you want to try to find a new activity that is look different you can read a new book. It is really fun for you personally. If you enjoy the book that you read you can

spent the whole day to reading a publication. The book The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules it is quite good to read. There are a lot of people who recommended this book. These were enjoying reading this book. If you did not have enough space to create this book you can buy the particular e-book. You can more effortlessly to read this book from the smart phone. The price is not too costly but this book features high quality.

#### **Adam Whittington:**

Can you one of the book lovers? If so, do you ever feeling doubt if you are in the book store? Attempt to pick one book that you find out the inside because don't determine book by its handle may doesn't work is difficult job because you are frightened that the inside maybe not seeing that fantastic as in the outside appear likes. Maybe you answer can be The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules why because the wonderful cover that make you consider with regards to the content will not disappoint anyone. The inside or content is actually fantastic as the outside or perhaps cover. Your reading 6th sense will directly guide you to pick up this book.

#### **Robert Alcock:**

In this particular era which is the greater particular person or who has ability in doing something more are more special than other. Do you want to become certainly one of it? It is just simple solution to have that. What you must do is just spending your time not very much but quite enough to possess a look at some books. One of many books in the top list in your reading list is usually The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules. This book and that is qualified as The Hungry Hillside can get you closer in getting precious person. By looking upwards and review this e-book you can get many advantages.

#### **Cherly Plaster:**

A lot of e-book has printed but it differs from the others. You can get it by world wide web on social media. You can choose the top book for you, science, amusing, novel, or whatever by searching from it. It is called of book The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules. You can add your knowledge by it. Without causing the printed book, it could possibly add your knowledge and make an individual happier to read. It is most significant that, you must aware about e-book. It can bring you from one destination to other place.

**Download and Read Online The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli  
#NHPCS37GUYZ**

# **Read The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli for online ebook**

The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli books to read online.

## **Online The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli ebook PDF download**

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli Doc**

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli Mobipocket**

**The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli EPub**

**NHPCS37GUYZ: The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules By Daimay Lin-Vien, Norman B. Colthup, William G. Fateley, Jeanette G. Grasselli**