ATR-IR - Sadtler Controlled & Prescription Drugs 2 - Wiley

Spectra - 1,080

Wiley is the leading producer of IR and Raman spectral databases with their Sadtler Spectral Databases, known for their high-quality.

Description

Wiley's series of ATR-IR Sadtler Databases of Controlled & Prescription Drugs offer an unparalleled ATR-IR collection of drugs, designed to highlight the latest products available on the market and represent its diversity. The libraries contain a number of drugs from all five schedules of the Controlled Substances Act.

Particular focus has also been made on new designer drugs not available in other databases. The samples come direct from companies synthesizing these new drugs and are continually added to the collection as they make their way into distribution. The databases also contain steroids of interest to forensic laboratories and those analyzing drug samples.

Additional Information

Each record is identified by its drug/chemical name and includes the following information when available: method of analysis, structural formula, molecular formula, molecular weight, synonyms, source of sample, catalog number, lot number, CAS Registry number, DEA Controlled Substance Code number, Code of Federal Regulations, classification, and comments.

Technique

All spectra were measured on a Bio-Rad FTS-175C Fourier Transform Infrared Spectrometer equipped with KBr beam splitter and a peltier cooled DTGS detector. A Smiths Detection DuraSamplIR™ Diamond ATR Accessory, an in-compartment diamond attenuated total reflectance accessory, was used to produce the ATR spectra.

The ATR technique is employed because only a small amount of sample is needed while minimal sample preparation is required. Samples were analyzed using the neat or film method and the solvent used in the film is methylene chloride. In some cases, the samples were ground to improve the display of the ATR spectrum.

This collection has been subject to the Sadtler Data Review Protocol™ to provide you with the highest standard in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.