

ATR-IR - Nutraceuticals 2 - Bio-Rad Sadtler

Product Code - This database is available only as part of the KnowItAll® IR Spectral Library
Spectra - 50

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

Description

Nutraceuticals, which combine the words nutrition and pharmaceutical, are food products or nutritional supplements that provide health or medical benefits in addition to nutritional value.

This Sadtler database contains ATR-IR spectra that include some of the latest products available and reflect the diversity of the nutraceutical market. It can be used by food laboratories, pharmaceutical companies, and testing labs who are interested in the identification of these compounds.

Additional Information

Each record is identified by chemical/trade name and includes the following (when available): synonyms, method of analysis, structural formula, molecular formula, molecular weight, CAS Registry number, source of sample, source of spectrum, catalog number, lot number, and instrument.

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 DuraSampIR™ II 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.