

IR - Sadtler Organometallics, Inorganics, & Compounds with Si, B or D - Wiley

Spectra - 1,145

Description

This database of 1,145 infrared spectra has been compiled specifically to present compounds containing boron, silicon, and deuterium as well as organometallics and inorganics. It can be used for identification, classification, and verification of these materials.

Additional Information

Each compound is identified by its chemical name, method of analysis, structural formula, molecular formula, and molecular weight. Synonyms, melting point, boiling point, literature references, and comments are also displayed when available.

Classifications

Antimony - 7	Iron - 107	Sodium - 33
Arsenic - 80	Lead - 32	Silicon - 280
Bismuth - 5	Magnesium - 4	Tin - 120
Boron - 185	Mercury - 70	Zinc - 3
Deuterium - 53	Nickel - 15	Miscellaneous - 20
Germanium - 19	Potassium - 179	

Technique

The potassium bromide dispersion technique has been used for the most part as a sampling method in the preparation of this database. When it was observed that interaction between KBr and the sample was evident, the sample was also run as a mull for checking purposes. Liquids have been determined neat in capillary cells, and low melting solids either as the melted solid or as a recrystallized melt.

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.