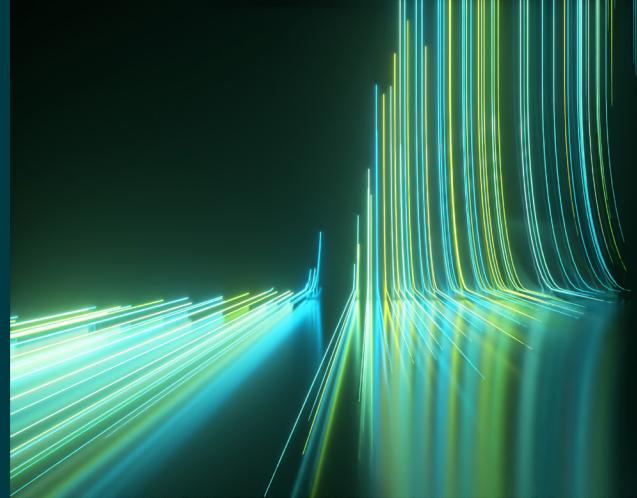


Spectral Databases

From the leader in spectral data



IR - Contaminants - Wiley

Spectra – 1,915

This database is only available as part of the KnowItAll IR Spectral Library subscription.



Description

Contaminants are substances or materials that are out of place - they may be harmless in their intended application but problematic when found elsewhere. For example, a pharmaceutical ingredient is desirable in medicine but becomes an environmental contaminant when detected in drinking water.

This specialized contaminants database (commonly known as IBUTU Analysis in Japan) contains over 1,900 infrared (IR) spectra, including organic and inorganic compounds. This collection is curated to enable precise identification and characterization of contaminants across multiple industries. Each entry includes high-quality spectral data and essential chemical information to support most analytical workflows.



Applications

- Pharmaceutical quality control
- Environmental monitoring
- Food safety testing
- Industrial process validation
- Academic and research analysis
- Manufacturing quality assurance & quality control
- Compliance testing
- Counterfeit goods identification



Additional information

When it comes to spectral analysis, the more data you have the better. Wiley spectral databases provide much more information than simply the spectrum. Database records include the following valuable details when available:

- Chemical structure
- Chemical name
- Formula
- InChI/InChIKey
- Molecular weight
- Technique



Compound coverage

- Organic contaminants
- Inorganic contaminants
- Industrial chemicals
- Food-related contaminants and additives
- Emerging contaminants from pharmaceuticals and personal care products
- Polymers
- Additives, sealants, and coatings



About the author

Dr. Isao Tanikawa, an expert with 60 years of infrared spectroscopy experience, started his own company with one goal in mind—to provide solutions for manufacturing related problems. In addition to managing his company and generating an extensive IR database, he instructed more than 3,000 practitioners, providing expertise and insight into IR analysis of foreign objects.



Trusted data from a trusted source

Wiley is the authoritative source for spectral data. Our renowned databases are processed according to rigorous protocols to ensure they are of the highest quality. Qualification procedures start at data acquisition and continue throughout the database development process. Any data acquired from trusted partners is thoroughly vetted before inclusion in our collections.