

Sigma-Aldrich Library of ATR-IR Spectra for Shimadzu FTIR Spectrophotometers

Published by Wiley on behalf of Merck KGaA Germany/Sigma-Aldrich; evaluated by Wiley, Shimadzu, and third-party experts.

The attenuated total reflection (ATR) sampling technique when coupled with IR has revolutionized solid and liquid testing by providing faster sampling rates, improved sample-to-sample reproducibility, and minimized user-to-user spectral variation, allowing for more precise material verification and identification. ATR-IR spectroscopy is optimal for testing of solids like laminates, paints, plastics, and rubbers, as well as viscous liquids and biological materials. With strong advantages such as minimal sample preparation and analysis of samples in their native state, ATR-IR can be a valued technique in obtaining **chemical images of pharmaceutical tablets for pharmacological research, analysis of automotive paint in forensics, determination of trans fat content in manufactured food products, and more.**



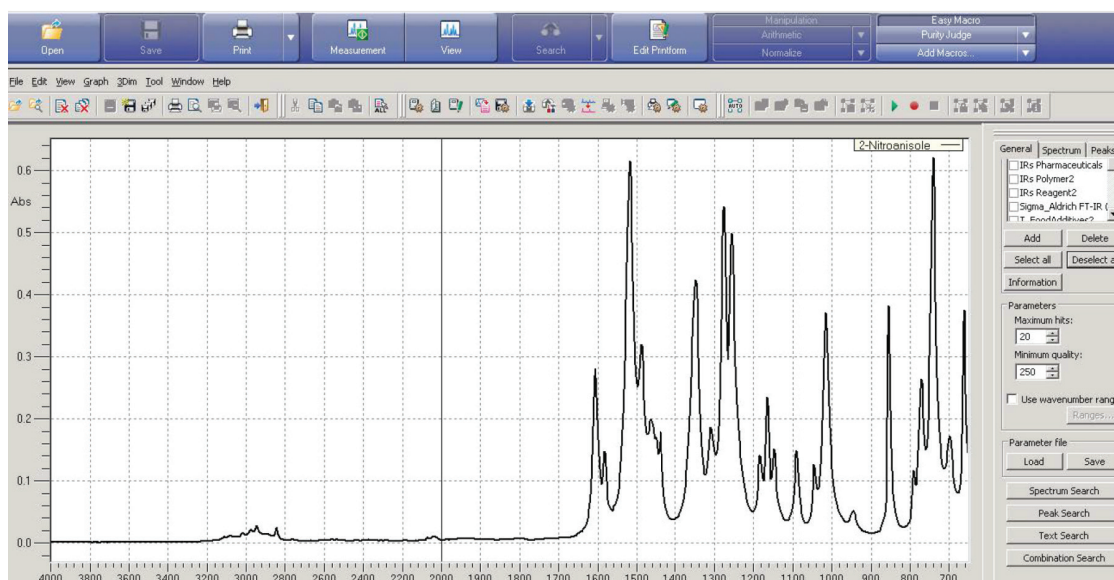
► Included Data Fields

- ATR-IR Spectra: >19,000*
- Distinct Sigma-Aldrich catalog numbers
- Searchable Chemical Structures
- Unique Compounds
- Structures with InChI key
- CAS Registry numbers

*The number of spectra is subject to change

► Compatibility

Designed to seamlessly work with Shimadzu's LabSolutions IR software



► Ordering Information

Please contact your local Shimadzu representative.