

Fourier Transform Infrared Spectroscopy – Attenuated Total Reflectance (FTIR-ATR)

A rapid and sensitive analysis of liquid and solid samples to procure an infrared spectrum of a sample enabling identification of functional groups and chemical structures of polymer materials.

A form of vibrational spectroscopy operating in attenuated total reflectance (ATR) mode, facilitating direct analysis of samples without further preparation.

Mainly used for material and contaminant identification through diagnostic peak analysis during all product life cycle phases, including design, manufacture, and failure analysis.



FTIR-ATR ANALYSIS



Add FTIR-ATR spectral data to your research

PerkinElmer® Spectrum Two™ FTIR-ATR is a patented technology with an exceptional signal-to-noise ratio and optimized sensitivity for uncovering information on,

- ✓ Identification of unknown chemical materials
- ✓ Identification of pharmaceutical raw materials
- ✓ Identification of functional groups in a polymer
- ✓ Geographical verification of food products such as rice, tea etc.
- ✓ Authentication of food products through fingerprint analysis



For more information:

Ms. Thilini Amalka

Scientific Officer, Life Sciences Division
Sri Lanka Atomic Energy Board
E-mail: thilini@aeb.gov.lk



Sri Lanka Atomic Energy Board

60,460, Baseline Road, Wellampitiya, Sri Lanka
Tel: +94 011 2533 427-8 Fax: +94 011 2533448