



Infrared Spectroscopy

QUANTITATIVE AND QUALITATIVE ANALYSIS FOR ORGANIC AND INORGANIC SAMPLES

KEY WORDS

SPECTROSCOPY,
CHEMICAL
IDENTIFICATION,
STRUCTURAL
ANALYSIS

DESCRIPTION

Fourier Transform Infrared Spectroscopy (FT-IR) is an effective analytical technique for quickly identifying the “chemical family” of a substance.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

Spectrometer with Attenuated Total Reflectance Infra-Red accessory (ATR-FTIR)

Spectrometer, coupled to Continuum Optical Microscopy with Attenuated Total Reflection Infra-Red accessory (μ -ATR)

APPLICATIONS

Solids, liquids, gases
Organic and inorganic samples
Identification of unknown compounds
Impurities screening
Formulation and deformation

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