

FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR)

MANUFACTURER : Thermo Nicolet

MODEL : Magna-550, Magna-760, Magna-850

Analysis

- Horizontal and Vertical Attenuated Total Reflectance (ATR)
- ATR Diamond
- ATR Germanium
- Specular reflectance configuration
- Diffuse reflectance configuration
- PM-IRRAS system at air-water interface
- PM-IRLD system
- Measurements of polarization in IR-ATR and transmission modes
- FTIR microscopy

Applications

- Analysis of the molecular structure of organic, and some inorganic elements
- Qualitative, semi-quantitative and quantitative analysis

Characteristics

- Resolution : up to 1 cm^{-1}
- Sensitivity in solution : 1% to 5%