

FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR)

MANUFACTURER : Thermo Scientific

MODEL : Nicolet 6700 / NXR FT-Raman Module

Analysis

- Qualitative and semi-quantitative
- Types : Attenuated Total Reflectance (ATR), transmission mode (4 000 to 400 cm^{-1})

Characteristics

- Sampled depth: 2000 nm
- Smart-iTR module that allows the analysis of samples prepared as powders, liquids, solids and sheets
- Two ATR crystals: Diamond (4 000 to 525 cm^{-1}) and ZnSe (4 000 to 650 cm^{-1})
- Detector: DTGS-KBr
- Equipped with a module for Raman analysis (laser 975 cm^{-1})