

ATR-IR Spectrometer

Attenuated total reflection (ATR) is a sampling technique associated with infrared spectroscopy enables to examine the samples directly in the solid and liquid state without further preparation. It helps to identify the presence of functional groups in the complexes.

Make and Model:

Bruker Tensor 27 FT-IR (Germany)

Specification/ Features:

- Equipped with room temperature DTGS (Deuterated Triglycine Sulphate) detector.
- IR source ranges from 4000-400 cm^{-1} .
- A single beam instrument with a KBr beam-splitter.
- The standard cell in the FT-IR is basically a pike miracle single-bounce attenuated total reflectance cell.
- The standard sample cell equipped with a ZnSe single crystal.
- Suitable for solid and liquid samples.



Available mode of use:

- Solid
- Liquid

Whether the facility is open to external users: Yes

Location:

Room no. 370, Second Floor, Central Facility

Department: Department of Chemistry

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