



**Sant Longowal Institute of Engineering & Technology,
LONGOWAL - 148106 (Pb) INDIA**

CENTRAL FACILITY LAB

ADVANCED R&D EQUIPMENTS

FTIR SPECTROPHOTOMETER

FTIR Spectrometer (Bruker-Alpha-II) used for qualitative and quantitative analysis of materials. It identifies chemical compound by measuring the absorption of infrared radiations at different wavelength, producing a unique molecular fingerprint spectrum. the instrument is widely used in research laboratories, pharmaceuticals , food analysis, and material characterization.

APPLICATIONS

- ✓ Material Characterization
- ✓ Pharmaceutical Analysis
- ✓ Polymer Identifications
- ✓ Functional group analysis
- ✓ Nsnocomposite Characterization



- ✓ **SAMPLING MODES:**
ATR TRANSMISSION,
REFLECTION
- ✓ **Spectral RANGE:**
4000-400 cm^{-1}
- ✓ **SIGNAL TO NOISE RATIO:**
55000:1 (Peak to Peak)
- ✓ **RESOLUTION:**
UPTO 2 cm^{-1}
- ✓ **DETECTOR:**
TEMPERATURE STABILIZED
DTGS

FTIR Spectrometer Samples may be sent for
Analysis to: **Prof. Harish Chopra**,
CHAIRMAN, Central Facility Lab., Science
Block, SLIET, Longowal - 148106 (Pb) INDIA

Contact Us



E-mail

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Website (For details/Rates)

<http://sliet.ac.in/2020/06/circular-for-charges-for-testing-analysis-on-xrd-system/>