

FOURIER TRANSFORM INFRARED SPECTROPHOTOMETER (FTIR)



Intended Use of the Instrument: Chemical structure analysis of materials

Instrument Brand/Model: Thermo Scientific Nicolet 6700

AGU CRF Thematic Laboratory: Spectroscopic Analysis Laboratory

Location of the Instrument: AGU-CRF LAB 15

Academic Director(s) of the Instrument:

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Responsible Specialist(s) of the Instrument:

Specialist Şeyma DADI – seyma.dadi@agu.edu.tr

FT-IR is a technique to determine the infrared absorption or emission spectrums of samples in solid, liquid or gas phase. Qualitative and quantitative analysis in IR active region for solid, liquid, gas samples is possible with the technique. FT-IR spectroscopy is being used in various fields like chemistry, materials, food, pharmacy and environment.