

## RAMAN Spectrometer



Raman spectroscopy is a light scattering technique used to determine vibrational modes of molecules and can provide detailed information about chemical structure, phase and polymorphy, crystallinity and molecular interactions.

Our Raman Spectrometer (Horiba LabRAM HR Evolution) is supported by a Class 3B\* 514 nm air cooled Argon laser and well as a 325 nm HeCd laser. They can be used for Raman spectrometry studies as well as limited photoluminescence studies in the visible light range.

Raman response range for the 514 nm laser is from 100 to 4000  $\text{cm}^{-1}$   
Photoluminescence response range is from 400 – 700 nm

\* NEA N3 Laser License is required for operation of the spectrometer.