**Specifications:**

Spectral range: 375 – 7,500 cm\(^{-1}\), with KBr beamsplitter

Spectral resolution: 3 units :< 2 cm\(^{-1}\)

1 unit :< than 0.8 cm\(^{-1}\) (adjustable to to 256 cm\(^{-1}\))

Wavenumber accuracy: \(\leq 0.05\) cm\(^{-1}\) @ 1,576 cm\(^{-1}\)

Interferometer RockSolid: Permanent aligned, high stability (5 year warranty)

Optics: Sealed and desiccated, all mirrors gold coated

Detector: High sensitivity RT- DLATGS (room temperature)

**FTIR Techniques:**

Transmission: KBr pellet (pellet press available), various liquid and gas cells

ATR: Diamond, liquid and solids applications

Diffuse Reflection: DRIFTS

Specular Reflection: Powders and gels

Front Reflection(with video): Art work, mineralogy