ALPHA FTIR Spectrometer

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 256 cm⁻¹)
- **Wavenumber accuracy:** ≤0.05 cm⁻¹ @ 1,576 cm⁻¹
- **Interferometer RockSolid™:** Permanent aligned, high stability
- **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

Contact the TRACES Manager for further details.