

Micro Sample Analysis Data

Raman Microscope : ICRM7000

Raman Spectrometer : LSI DP1

Laser : 785nm

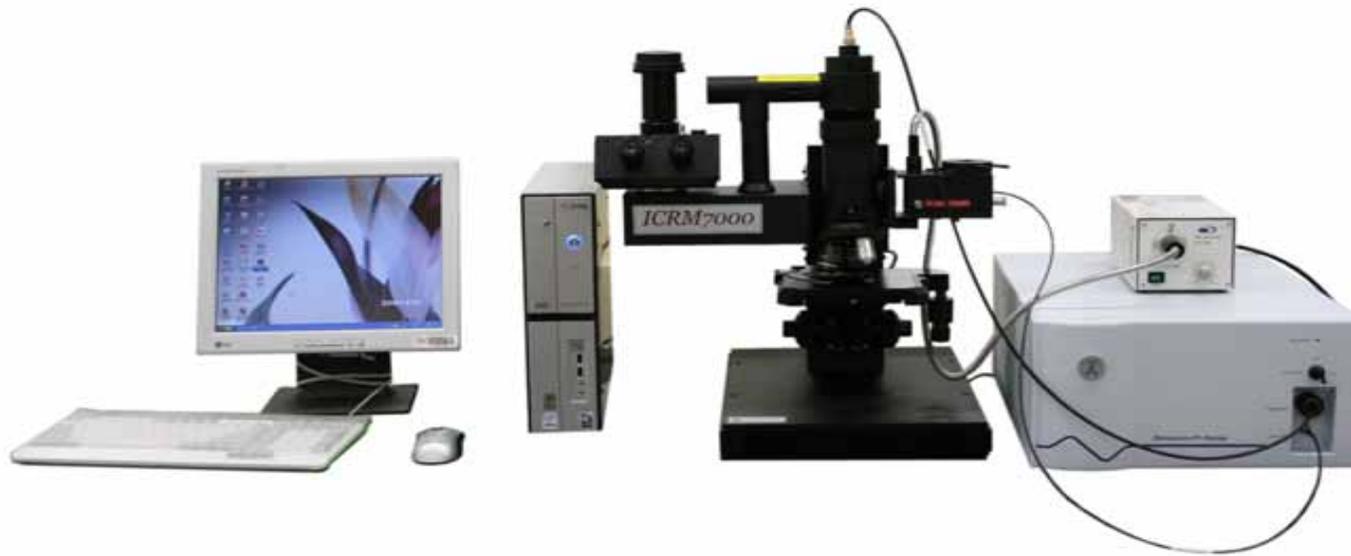
Laser power to the sample : 300mW

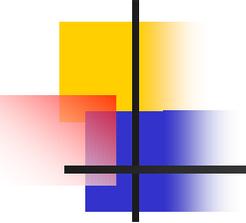


Lambda Ray

Co., Ltd.

ICRM7000 & DP1-785

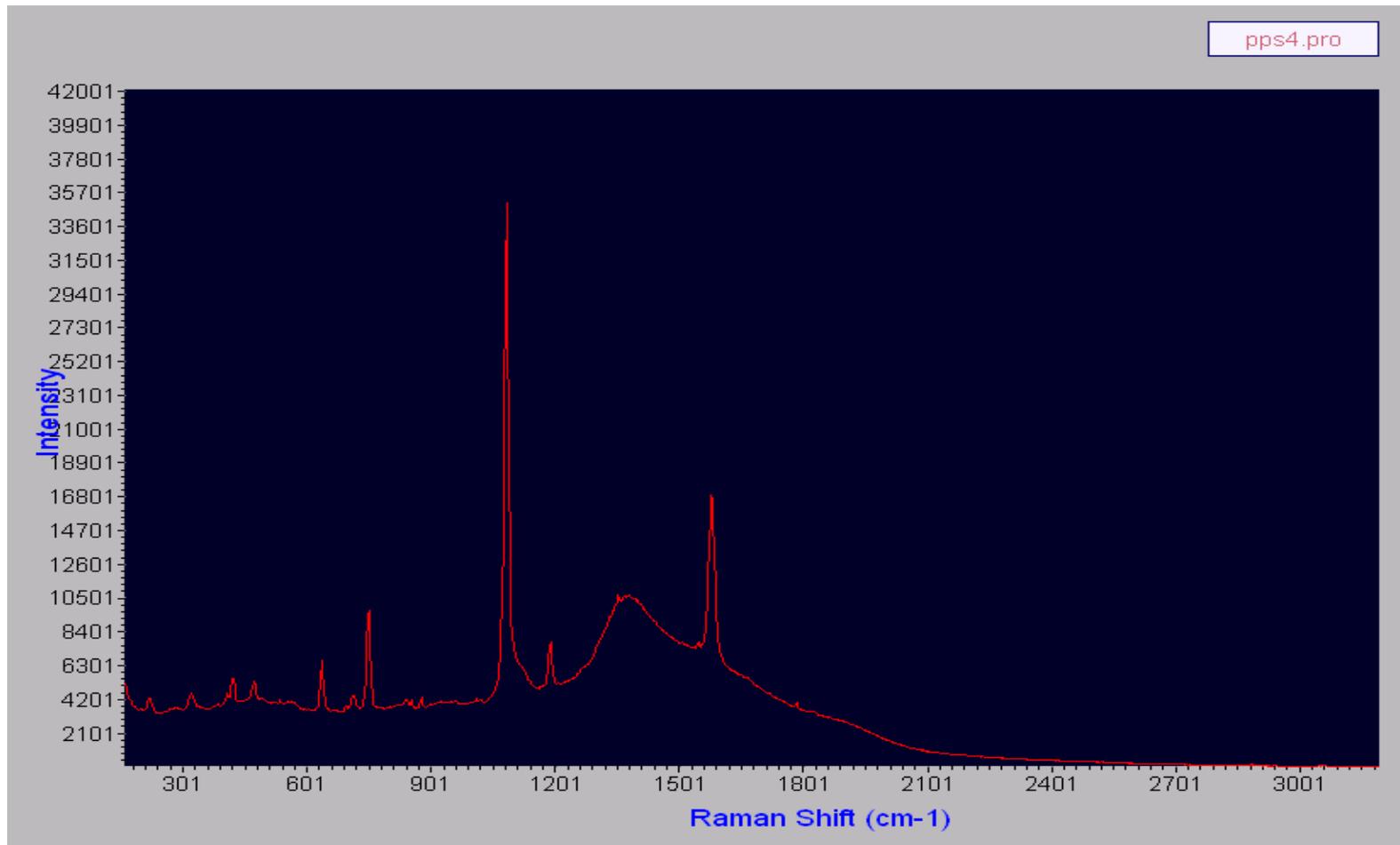




Micron sample analysis data with ICRM

- . Analysis of 1 micron PPS
- . Particle on CCD
- . Particle in PET Film
- . Display Panel
- . Particle on printer circuit board
- . Experimental process of Stage micro-manipulator

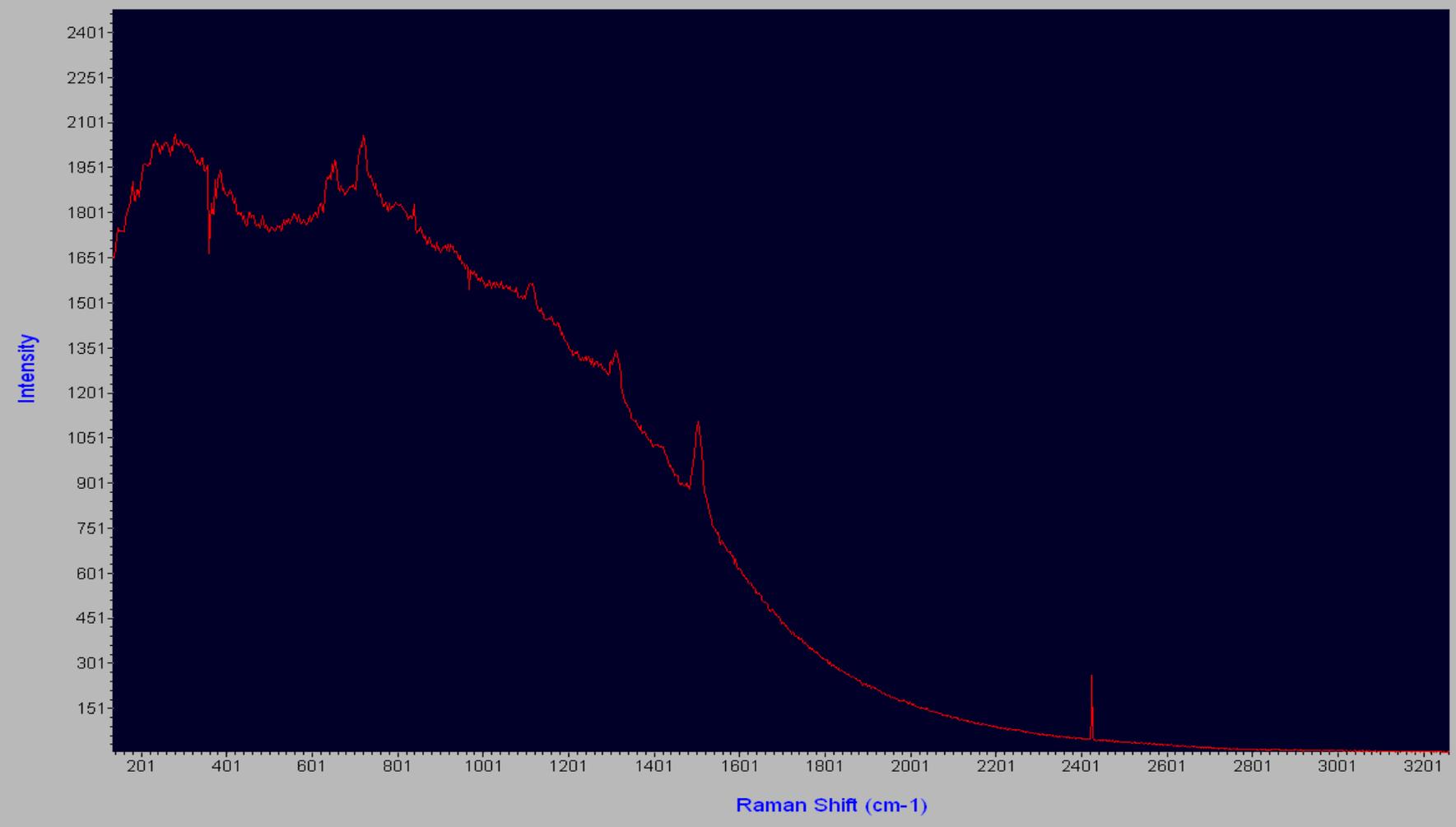
Analysis of 1 micron PPS on gold plate with cover glass



Number of scan : Raman spectra of 2 scans Polyphenylenesulfide(PPS)

Particle on CCD





Raman spectra of particle only

Particle in PET Film

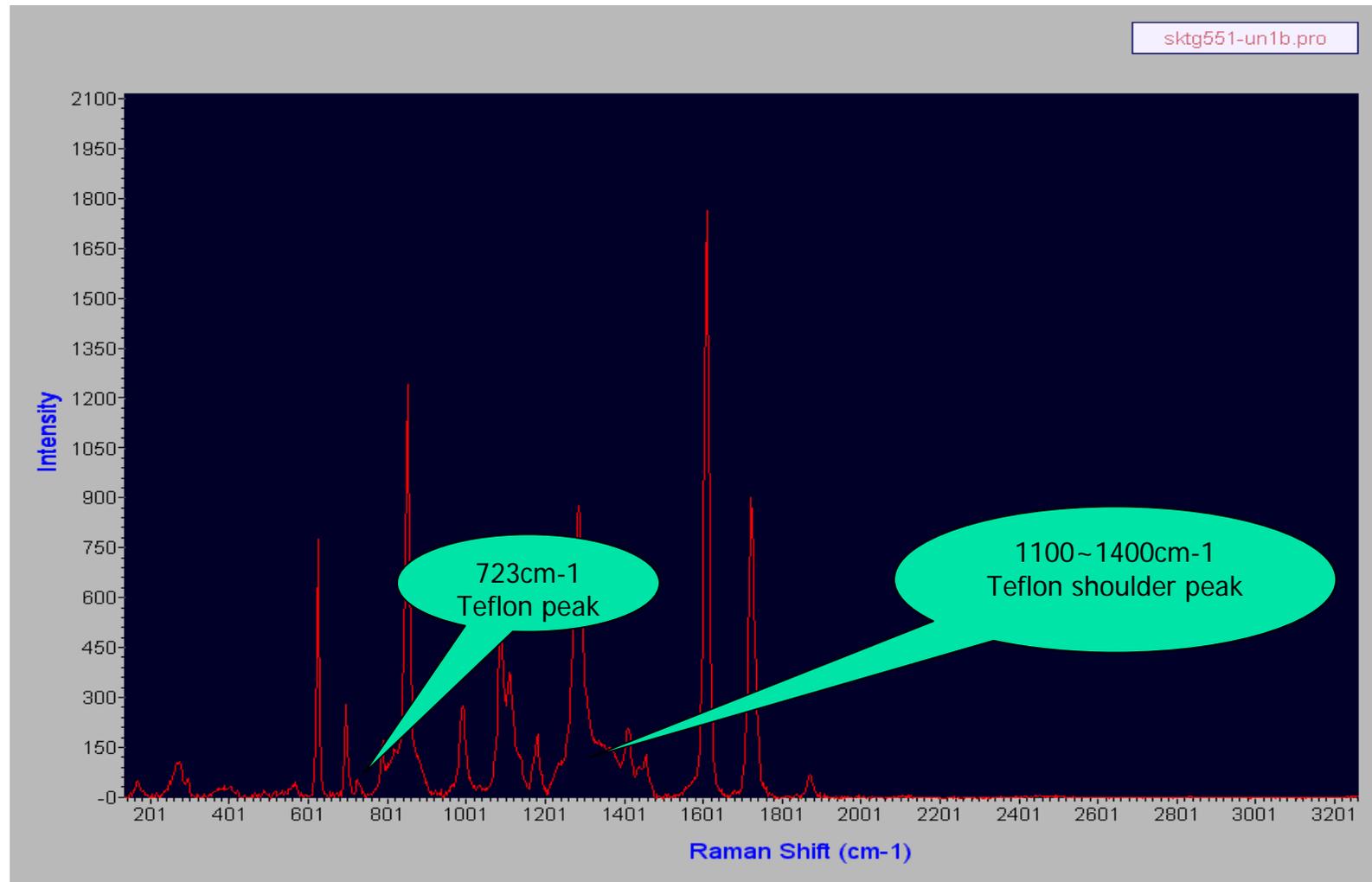


Thickness of Film : 50micron

The size of particle inside

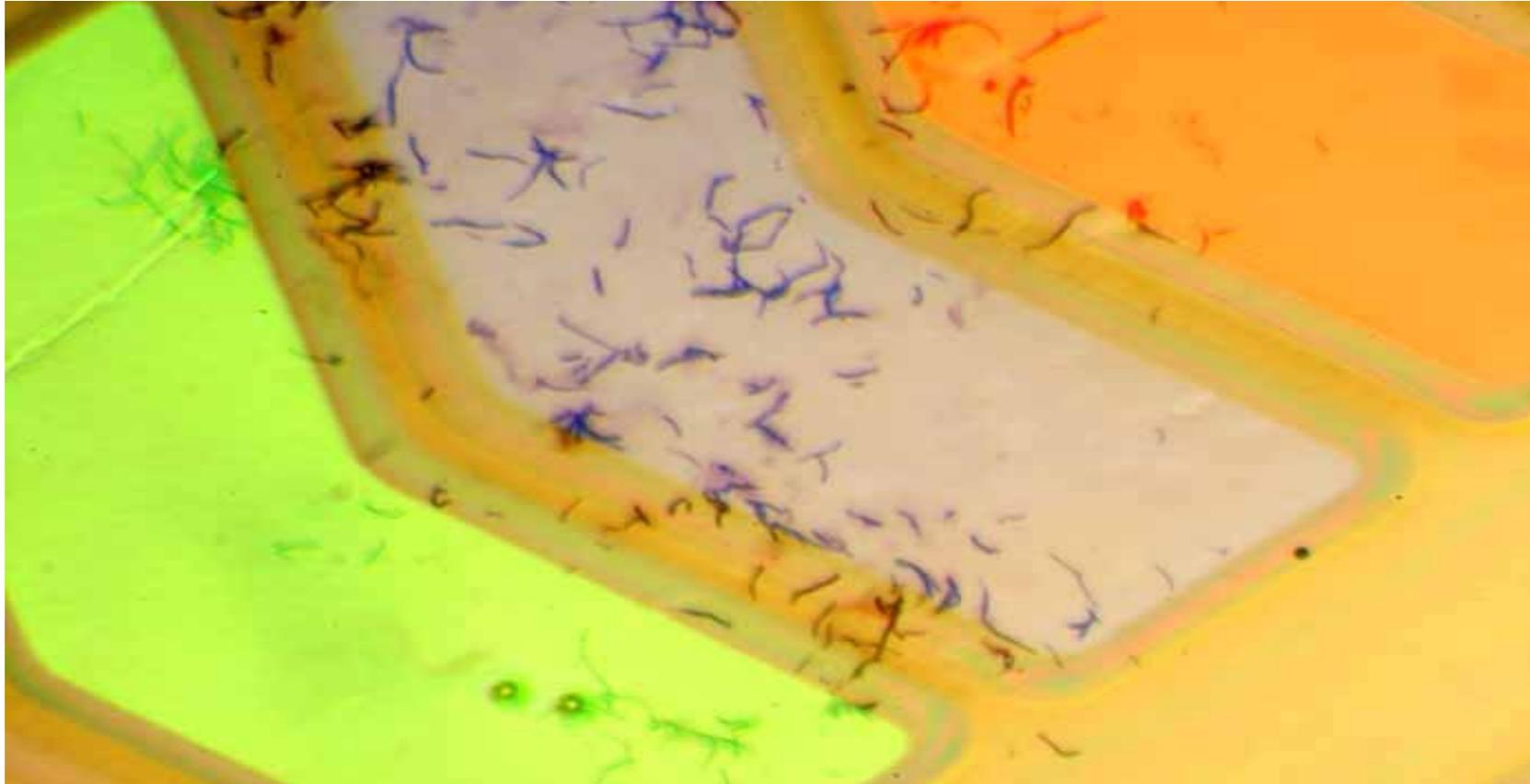
-. Thickness : 1-2 micron

-. Size : 5-10 micron

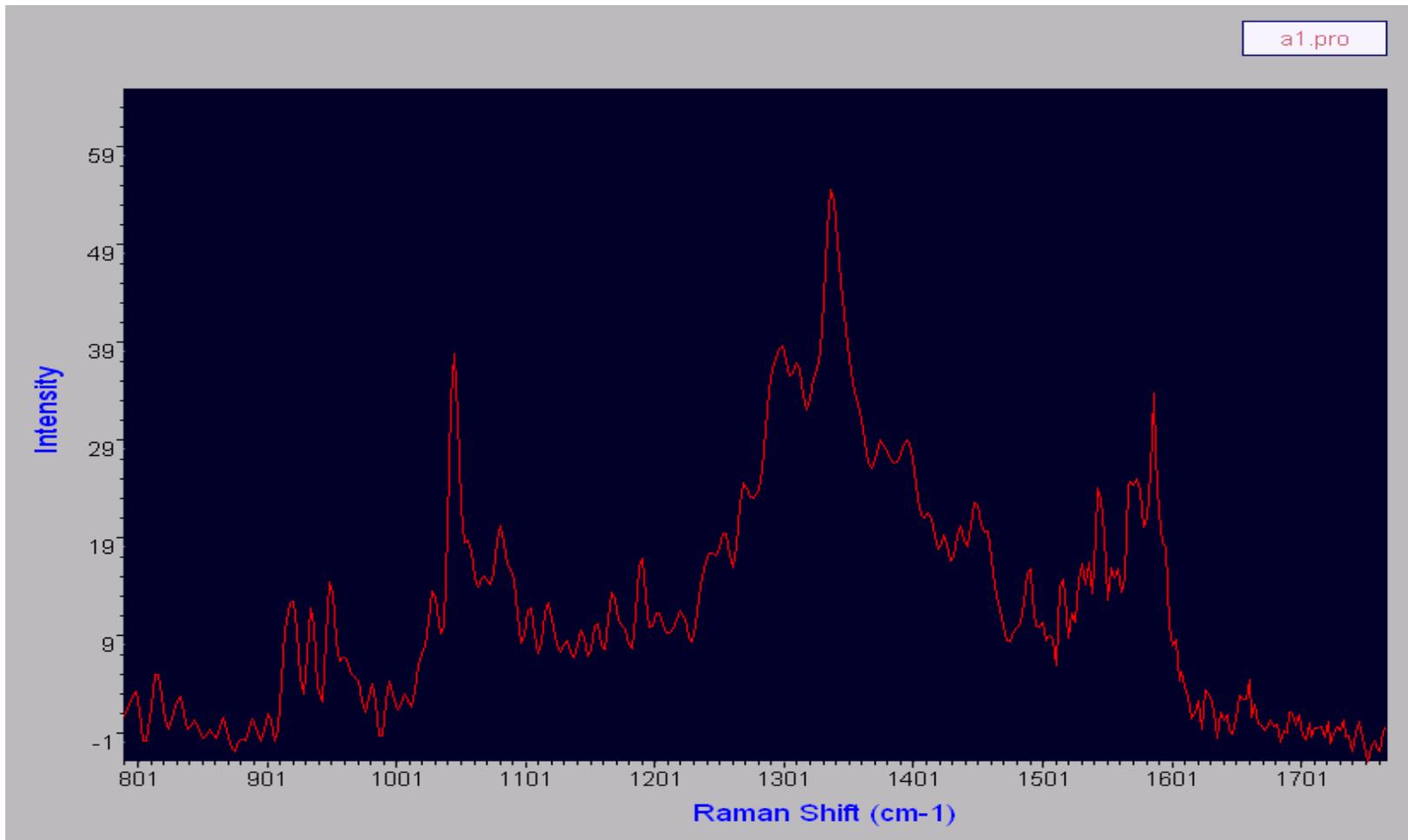


Raman spectra of particle only without sample preparation

Display Panel (LCD)

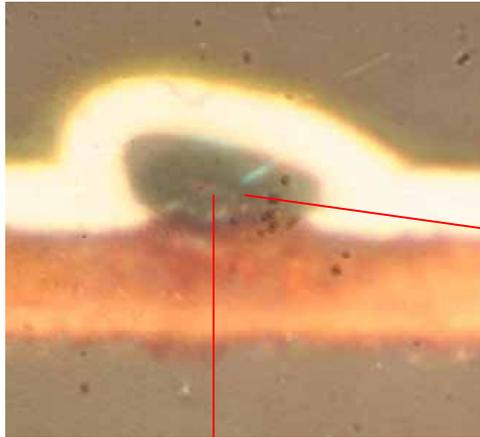


Particle on RGB color
Width of particle : 1 micron

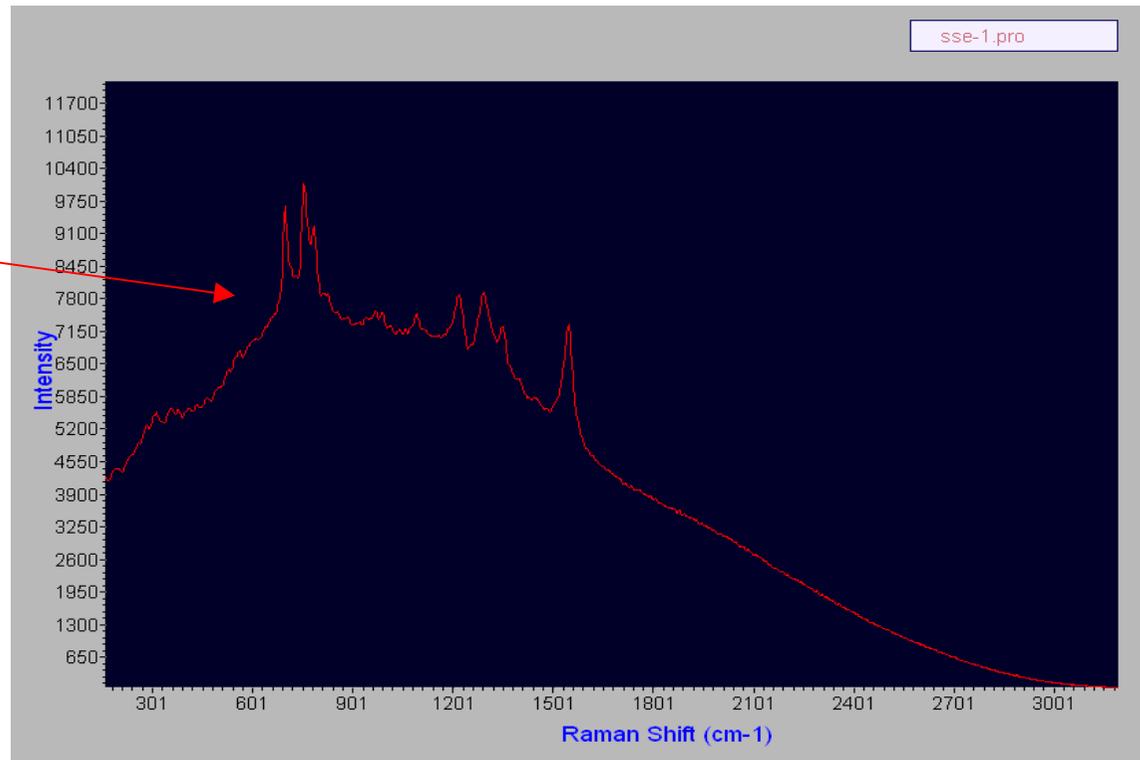


Affected by the cellulose particles produced by fungi

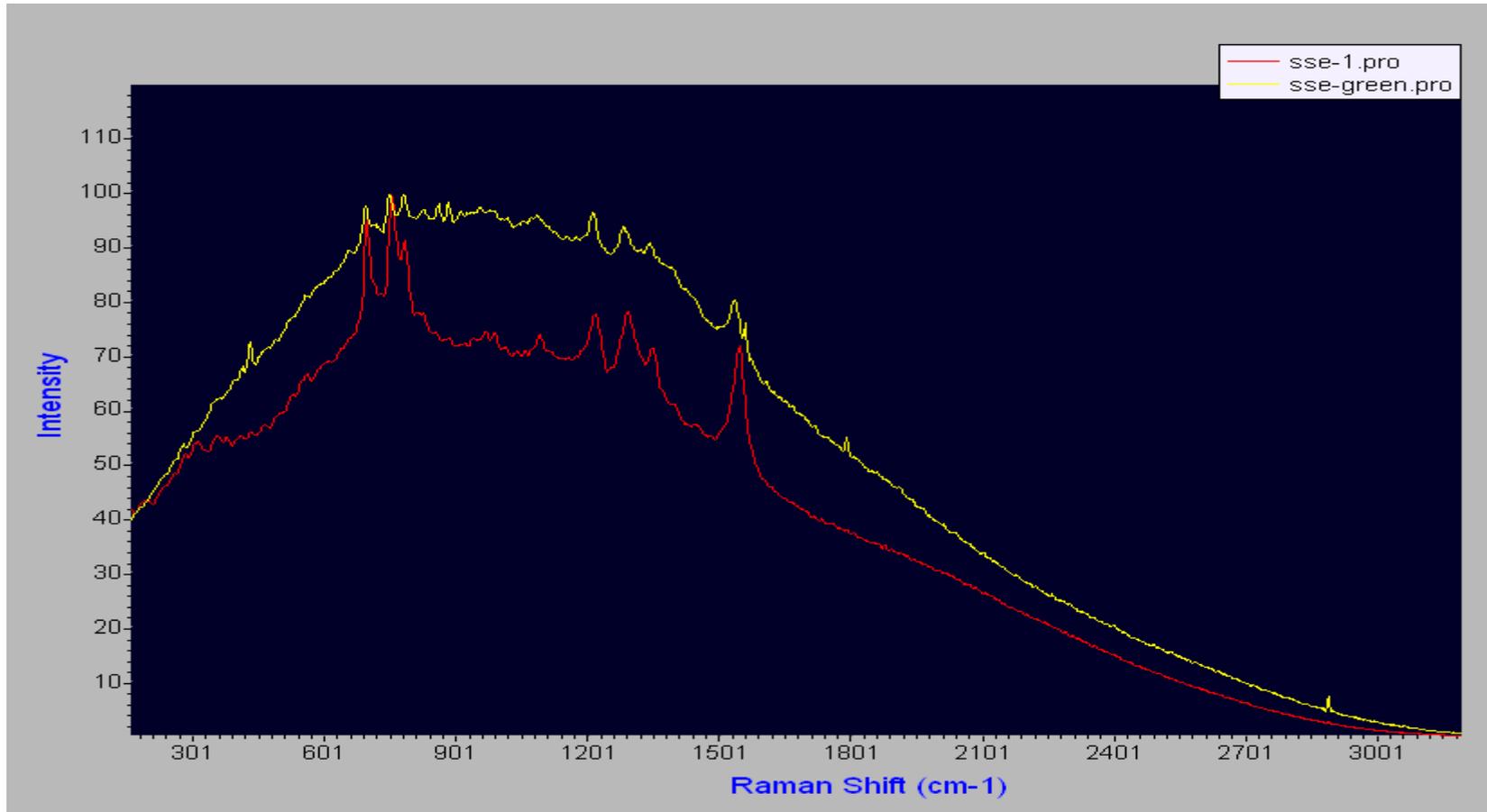
Particle on Printer Circuit Board



Particle size : 3 micron



Raman spectra



Yellow : Raman spectra of Green pigment
Red : Raman spectra of Particle

Particle comes from yellow pigment

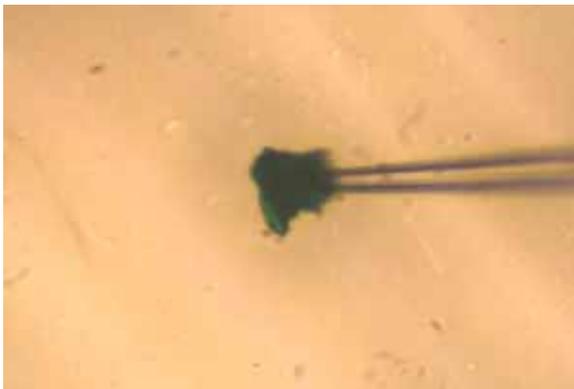
Experimental process of Micro-Manipulator



Ready to take off



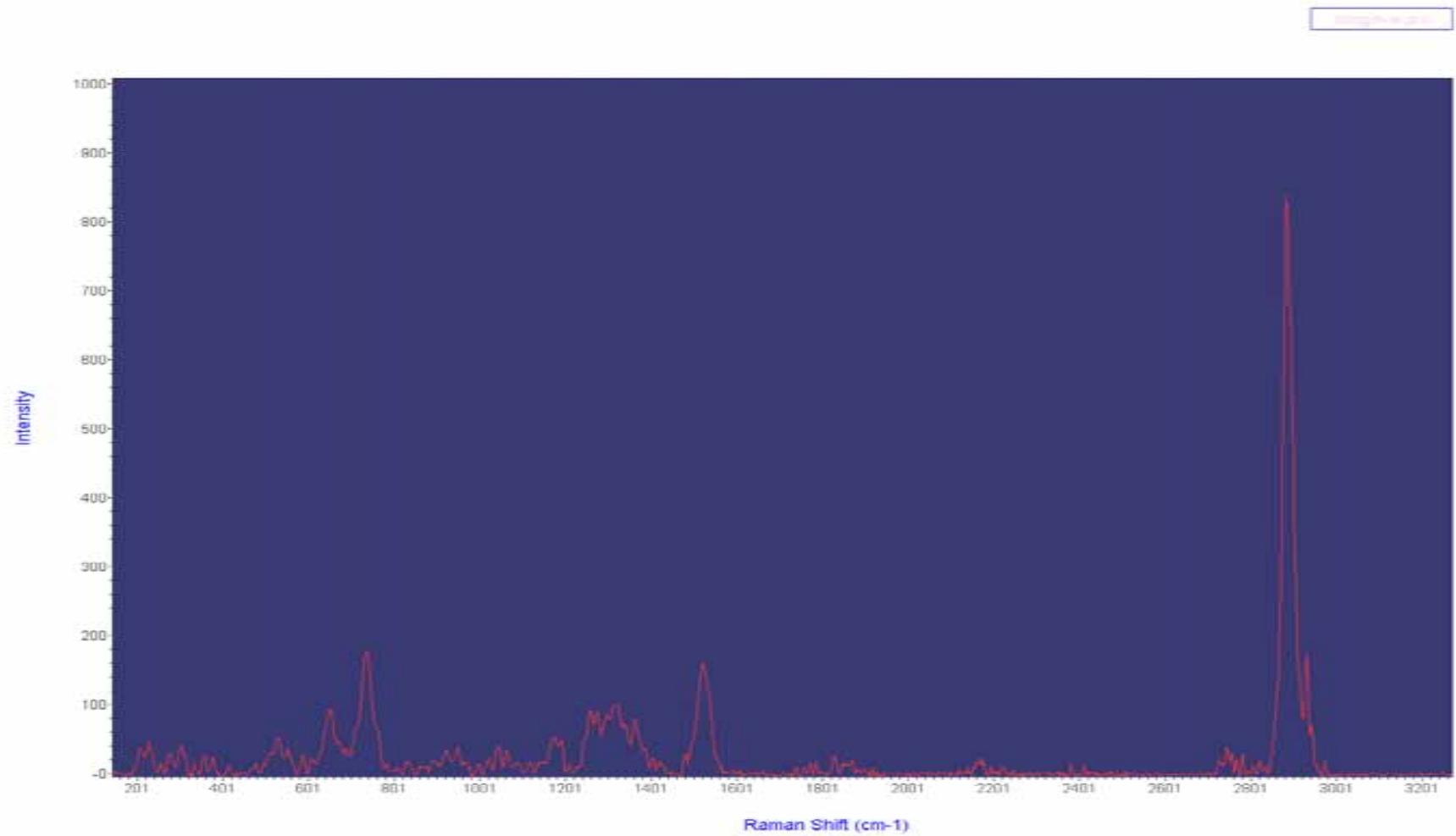
Taking off the part of particle with glass tip



Particle on glass tip and Analyzing it on glass tip



A trace of particle



Raman spectra of particle only on the glass tip