



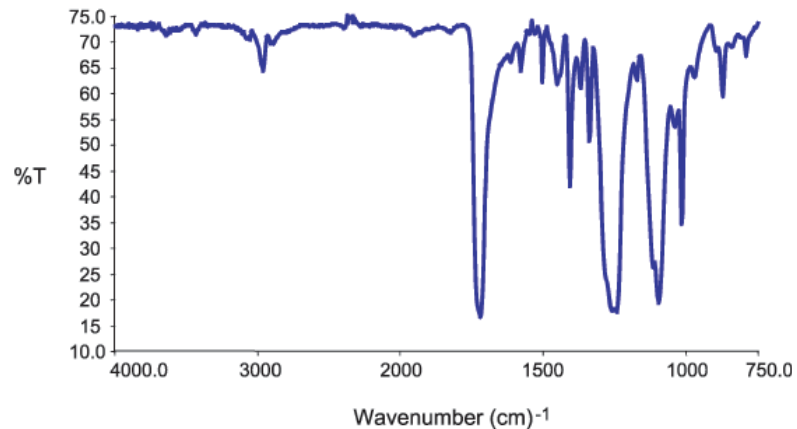
## AN 362 Identifying Contaminants: Fiber Found On A Wafer

May 7, 2007 (Version 3.0)

### Discussion

Identifying the chemical composition of contaminants is an important step in the drive to reduce overall contamination. The composition often provides critical information that allows a contaminant's source to be identified and eliminated.

In this example, a 20  $\mu\text{m}$  fiber was found on a wafer. Fourier Transform Infrared Spectroscopy (FTIR) performed with a microscope attachment was used to identify the fiber as poly(ethylene terephthalate) or PET. PET is a common polyester that is used in many cleanroom garments.



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