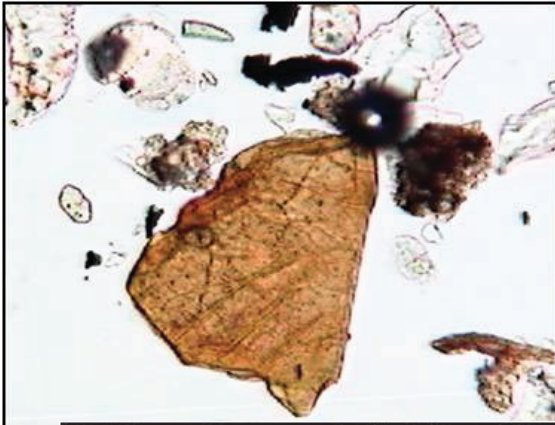


Optical and SEM particle analysis using the Zefon BioTape media



Until now, the ability to perform both Optical and Electron Microscopy analysis on the exact same particle using a single sampling media has been impractical. The results illustrated below, and the method described on the back page enables comprehensive and cost effective forensic dust and indoor air quality particle analysis.

Analysis Capabilities :

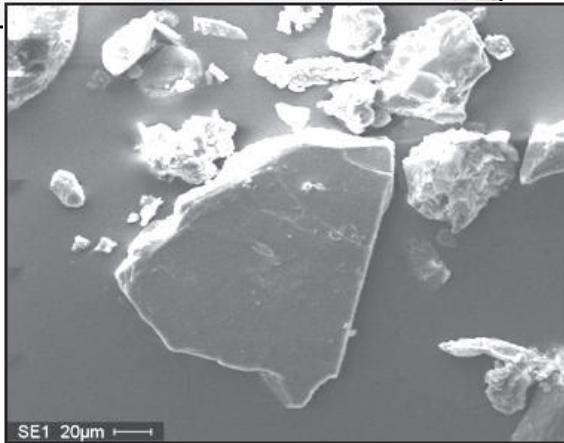
The sample can be examined and re-examined by both Optical and Electron Microscopy in any order without significant particle loss or complex sample preparation.

The high chemical stability of the Bio-Tape media allows the sample to be first examined with a wide range of contrast stains or liquids and subsequent chemical extraction in preparation for electron microscopy analysis.

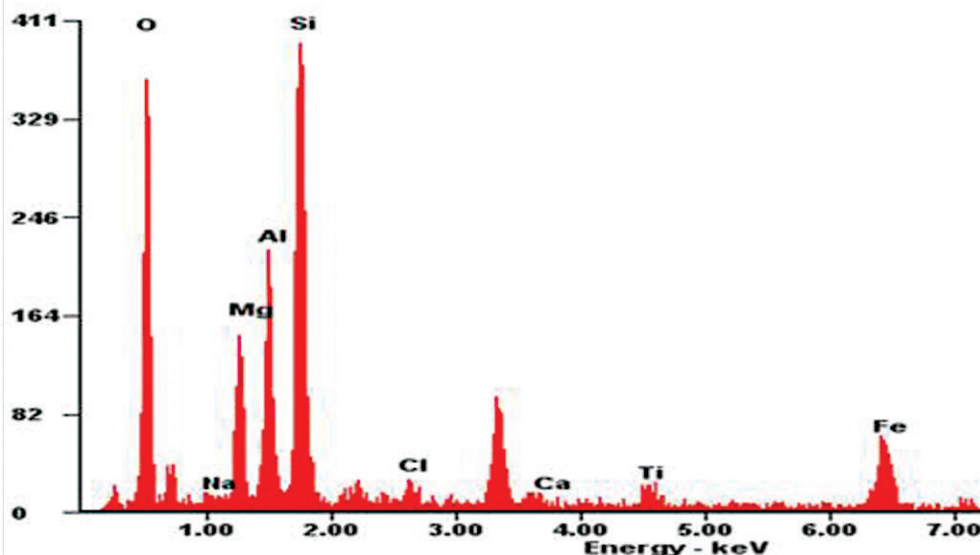
The smooth surface and low X-ray background of the Bio-tape media allows both high quality SEM imaging and high quality elemental analysis

Universal Microscopy Analysis

The optical clarity and low X-ray back-ground of the Bio-tape media combine to provide both superior optical clarity and electron beam imaging. The chemical resistance allows biological staining and optical analysis, and then extraction and analysis by electron microscopy. The optical micrograph was taken after coating the sample with gold and performing SEM analysis.



c:\edax32\genesis\genmaps.spc



X-ray composition analysis of the particle area shown above.

Bio-Tape™ Standardized Surface Sample Collection



Optical and SEM analysis from the same sample!