



Suspect Chinese Drywall Analysis
Fourier Transform Infrared Spectroscopy (Mid-Infrared)

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<i>Inspector:</i>	A. Inspector	<i>Project Date:</i>	9/26/2010
<i>Project:</i>	J. Doe	<i>Received:</i>	9/27/2010
<i>Job #:</i>		<i>Reported:</i>	9/27/2010
<i>ABID:</i>	AI092710-1	<i>Analyst:</i>	M. Dinse

Sample Number: AI092710-1

Sample ID: Master Bedroom Wall

Results: **Congruent** The FTIR spectrum of the sample is consistent with the spectral characteristics and peaks identified in contaminated Chinese drywall reference materials.

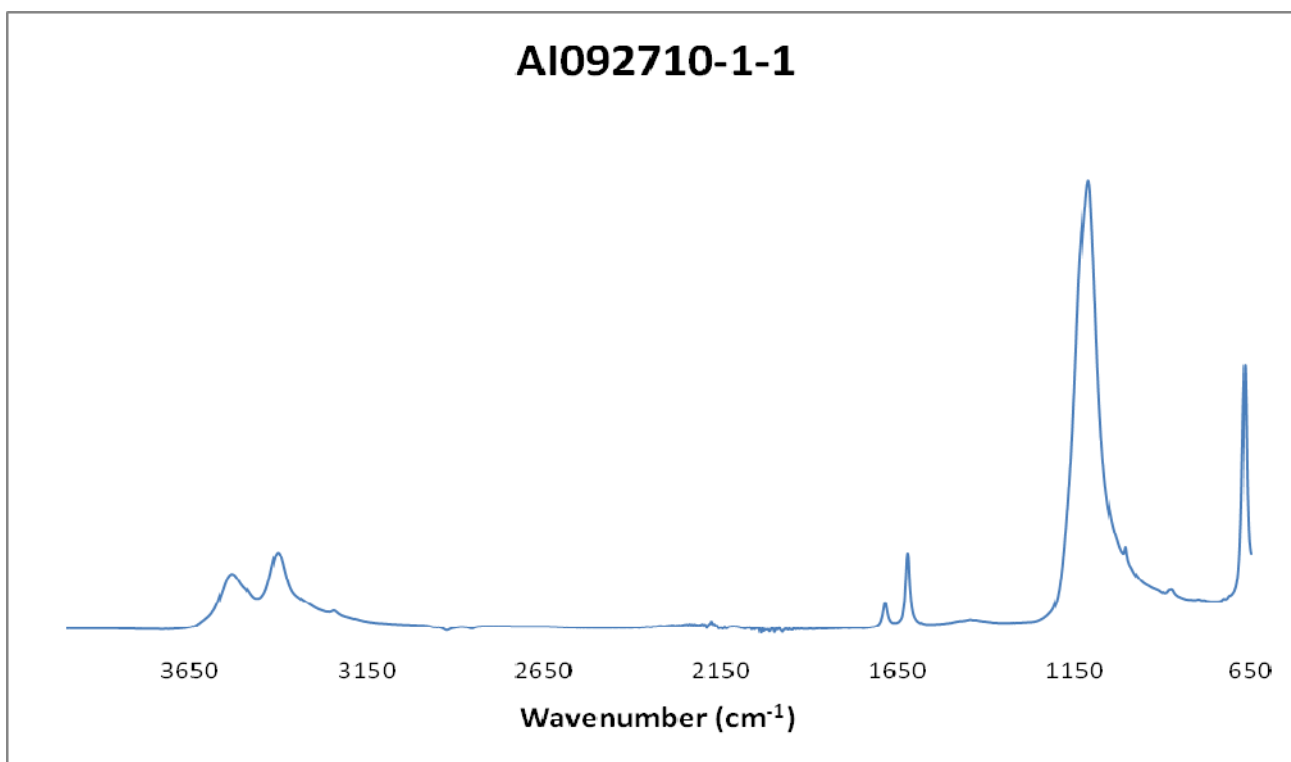
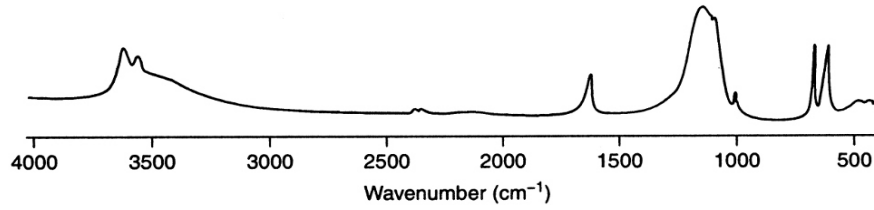


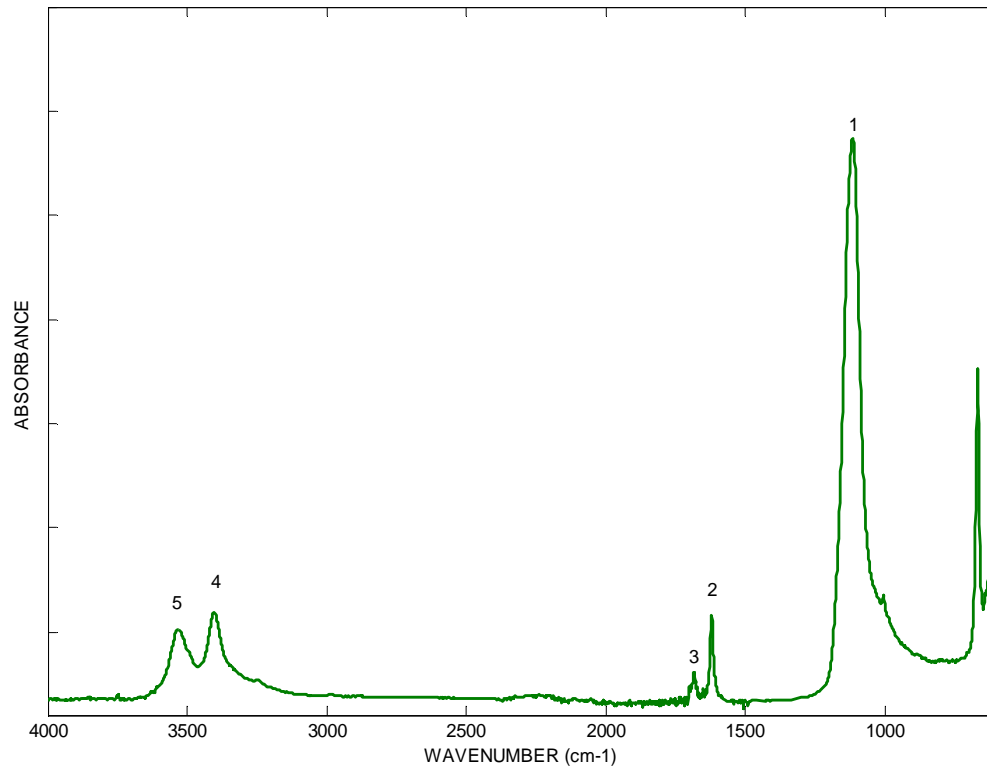
Figure. Spectral Fingerprint of sample. Each spectral fingerprint is generated from 34,010 data points. The data points are used to determine spectral congruency with known chinese drywall reference materials. Please note that the above figure is a condensed graphical representation of the averaged data scans and not intended for intersample comparisons.

Reference Spectra

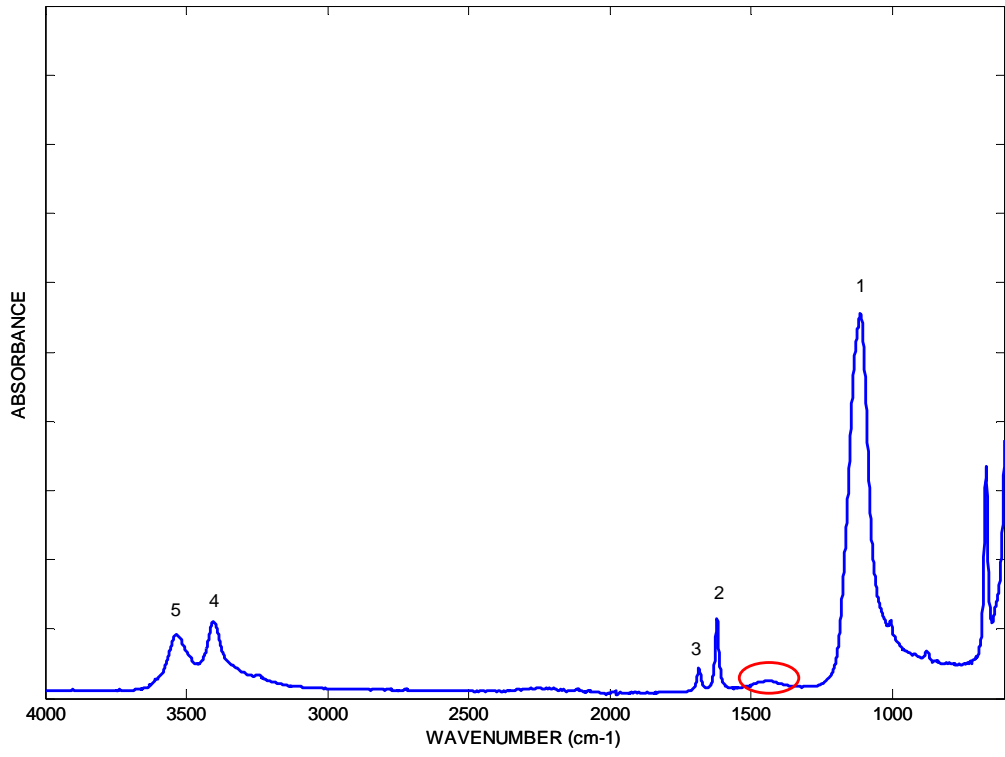
Gypsum (Calcium Sulfate)



American Drywall Reference Material



Type I Chinese Drywall Reference Material



Type II Chinese Drywall Reference Material

