

## Operation of the Perkin-Elmer 1600 Fourier-Transform Infrared Spectrophotometer with Spectrum 2.0 Software

intensity knob

enter

Spectrum 2.0

no sample

door

Instrument > Scan Background

Filename: bkg.sp

Single beam

Range: 4000–400  $\text{cm}^{-1}$

Number of Scans: 4

Resolution: 4.0  $\text{cm}^{-1}$

Interval: 1.0  $\text{cm}^{-1}$

Apodization: Weak

OK

Overwrite

prepared sample

door

Instrument > Scan Sample

Filename: filename.sp

Ratio

Region: X

Range: 4000–400  $\text{cm}^{-1}$

Number of Scans: 4

Resolution: 4.0  $\text{cm}^{-1}$

Interval: 1.0  $\text{cm}^{-1}$

Apodization: Weak

Units: %T

OK

bkg.sp

delete

filename.sp

AutoX

AutoY

Process > Peak Table

Threshold: 5–15 %T

OK

close numerical peak table window

maximize spectrum window

Peaks

Text

title

OK

position title

Print

File > Exit

intensity knob

salt plates

door

spectrum

sample