

# FTIR Analysis Results



**Half-finished glass vessel**

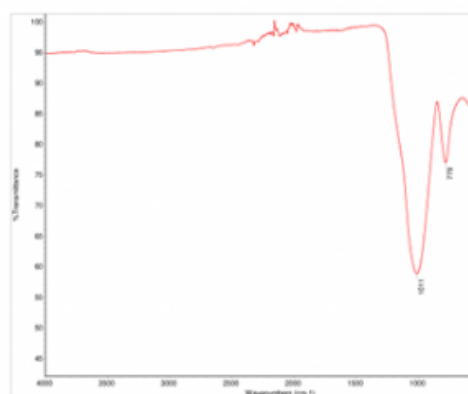


The SciArt Project  
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## Results Report

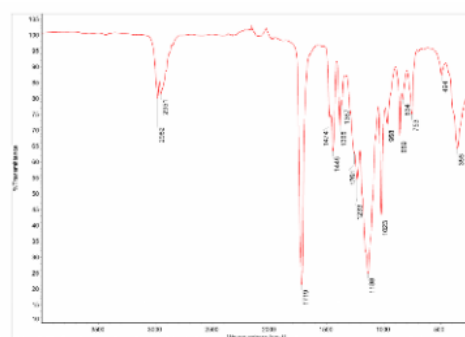
### Point of Interest 1: Main body of the vessel

This is the FTIR spectrum of the main body of the vessel. The two bands at  $1011\text{ cm}^{-1}$  and  $779\text{ cm}^{-1}$  confirm that the material the vessel is made from is mainly glass (amorphous silicon dioxide  $\text{SiO}_2$ ).



### Point of Interest 2: Crack

This is the FTIR spectrum of the unknown substance that was spotted inside the crack of the vessel. The substance is fully identified as Paraloid B-72, which is an art conservation and restoration material.



### Point of Interest 3: Residues at the bottom of the vessel

This is the FTIR spectrum from the residues found inside the vessel. The unknown substance is identified as myrrh.

