

FTIR Analysis Results



Half-finished glass vessel

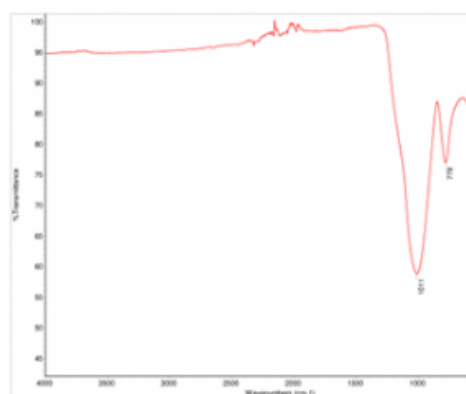


The SciArt Project
2024

Results Report

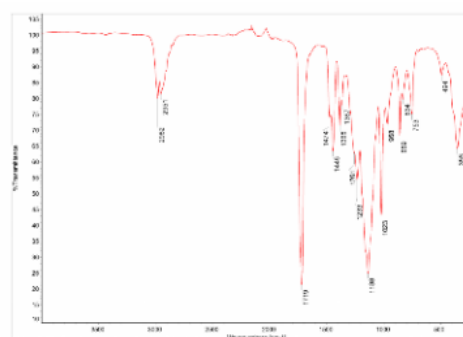
Point of Interest 1: Main body of the vessel

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

