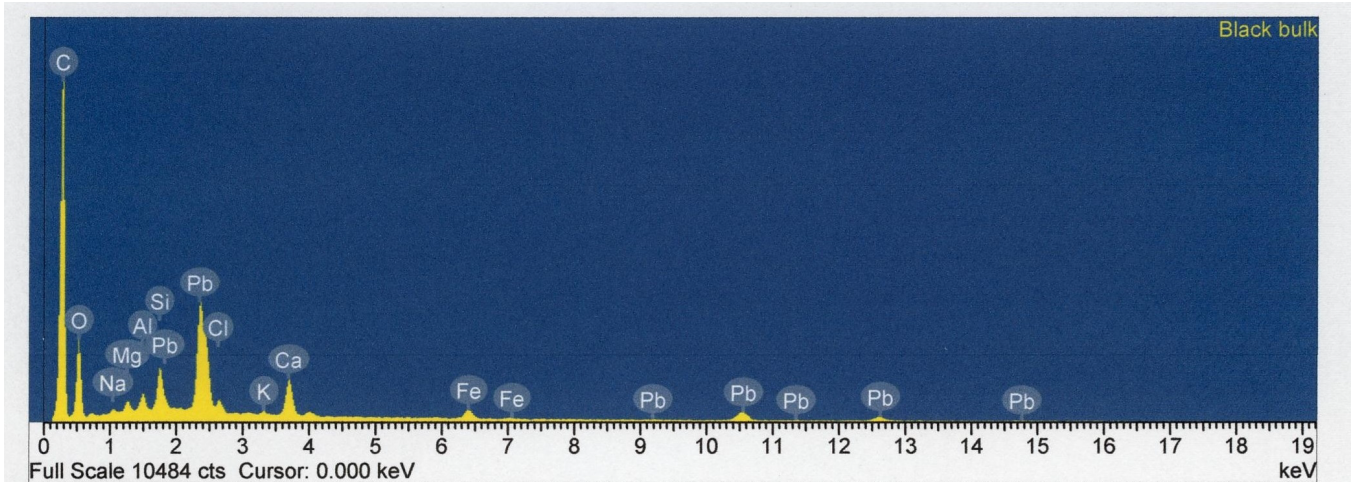


Sample 8 Black

EDS



Elements detected:

- C - Carbon
- O - Oxygen
- Na - Sodium
- Al - Aluminum
- Si - Silicon
- P - Phosphorus
- S - Sulfur
- Cl - Chlorine
- K - Potassium
- Ca - Calcium
- Fe - Iron
- Pb - Lead

Pigments identified:

- Lampblack C**
- Indigo
- Iron earths FeO(OH)

The black sample taken from the saint's cassock is a combination of lampblack, indigo, iron earths, as well as unidentified materials, sulfur, potassium, and aluminum, for which there is no identifiable pigment. Lampblack is made by holding a cold metal plate above the flame of a candle, producing a fine layer of deep black soot that was then mixed with a binding agent.