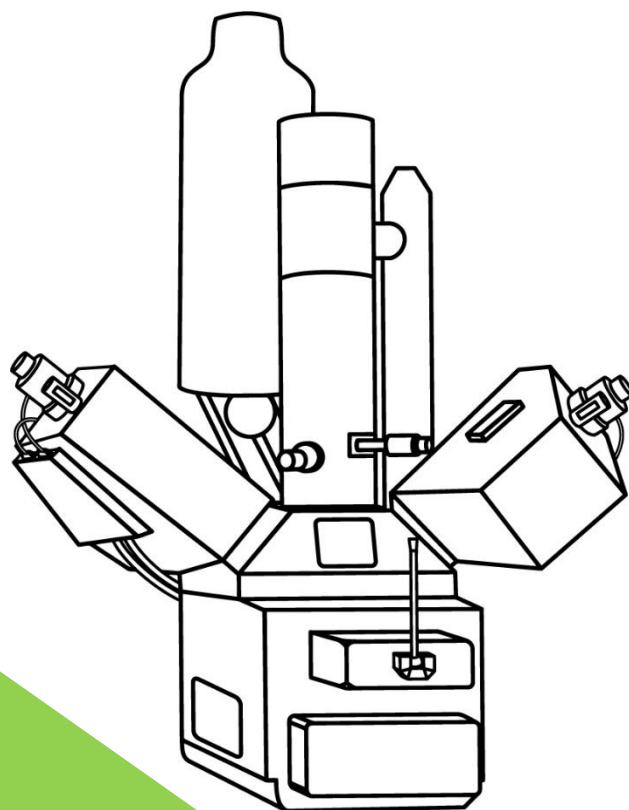


Elemental Analysis (EDS) Results



Half-finished glass vessel

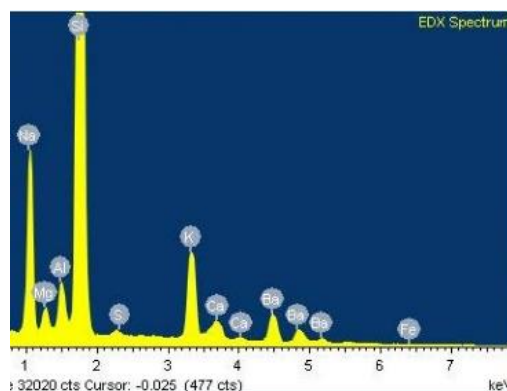
The SciArt Project
2024



Results Report

Point of Interest 1: Main body of the vessel

This is the spectrum that was collected from the EDS analysis performed on the main body of the vessel. It is mainly composed of silicon, calcium, sodium, aluminum, potassium, iron, manganese, phosphorus and antimony.

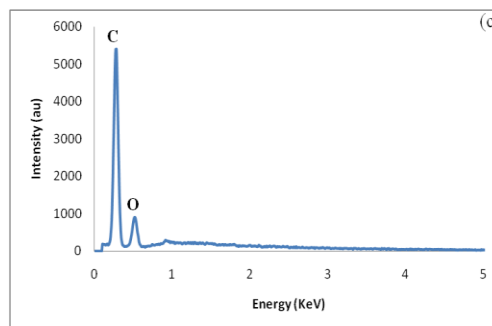


Antimony and manganese are used to decolourize glass. Iron is responsible for the green tint of the glass (slight green color). Phosphorus is an indication that fly ash was used as an opacifier during the glassmaking. The presence of a decolourizing agent confirms that the glass has been reused.

Silicon (Si)	70%
Calcium (Ca)	10%
Sodium (Na)	1.2%
Aluminum (Al)	2.2%
Potassium (K)	2.5%
Iron (Fe)	1%
Manganese (Mn)	1%
Phosphorus (P)	0.5%
Antimony (Sb)	1.8%

Point of Interest 2: Crack

This is the EDS spectrum of the substance collected from Point of Interest 2. The elemental analysis shows that it is composed of carbon and oxygen. These elements are characteristic of organic materials and they are an indication that the foreign substance found in the crack is of organic origin.



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

This is the EDS spectrum of the residues collected from Point of Interest 3. The elemental analysis shows that it is composed of carbon and oxygen. These elements are characteristic of organic materials and they are an indication that the residues found inside the vessel are of organic origin.

