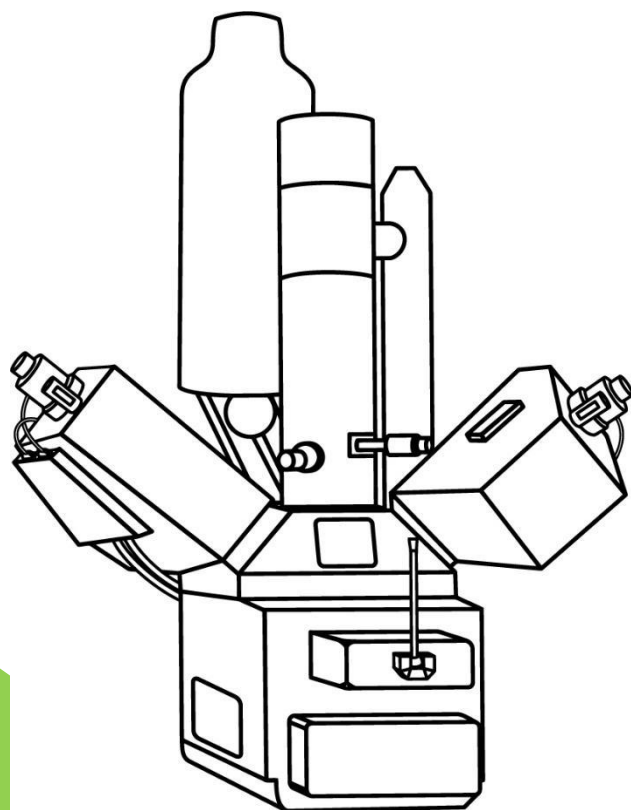


# Elemental analysis (EDS) Results



**Roman Coin (Denarius)**

The SciArt Project  
2024

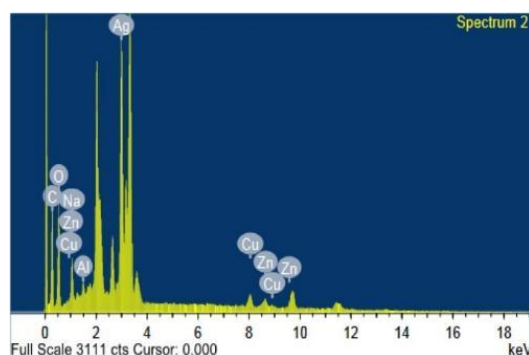


## Results Report

### Point of Interest 1: Main body of the coin, collected from the edge

Here is the EDS spectrum and its analysis we obtain from the elemental analysis for the metal of the coin.

The primary element of the coin's material is silver (Ag), with very small amounts of other elements such as copper (Cu), zinc (Zn), and even smaller amounts of sodium (Na), iron (Fe), lead (Pb), and gold (Au).



Silver (Ag)	95.5%
Copper (Cu)	2.7%
Zinc (Zn)	1%
Sodium (Na), Iron (Fe), Lead (Pb), Gold (Au)	<1%

### Point of Interest 2: Relief

Here is the spectrum and elemental analysis we obtain from the EDS method regarding the red traces found on the coin's relief.

The analysis shows elements such as aluminum, silicon, and calcium, which are associated with aluminosilicates and limestones typically found in soil. This soil might be related to a burial site. The detection of bromine is an unusual finding because it is not a common component of soil.

