

Name	The battle flag of one of Avram Iancu's legions
Author/ Attribution	Unknown author
Technique	Painted textile
Beneficiary	Criminal Investigation and Forensic Section ICCJ
Analysis	- XRF (X-ray Fluorescence) with portable TRACER III-SD, anticathode Rh, 40 kV, 11 µA, 10 s time of analysis - FTIR spectroscopy - Multispectral analysis (ARTIST) UV-VIS-NIR (365-1100 nm) - Hyperspectral analysis (SWIR), Hyspex 384 with 30 cm lens (950-2550 nm) - High-Resolution Digital X-ray ISOVOLT Mobile 160, Parameters 30kV, 60 s, 5 mA - Optical Microscopy

For the full report please contact

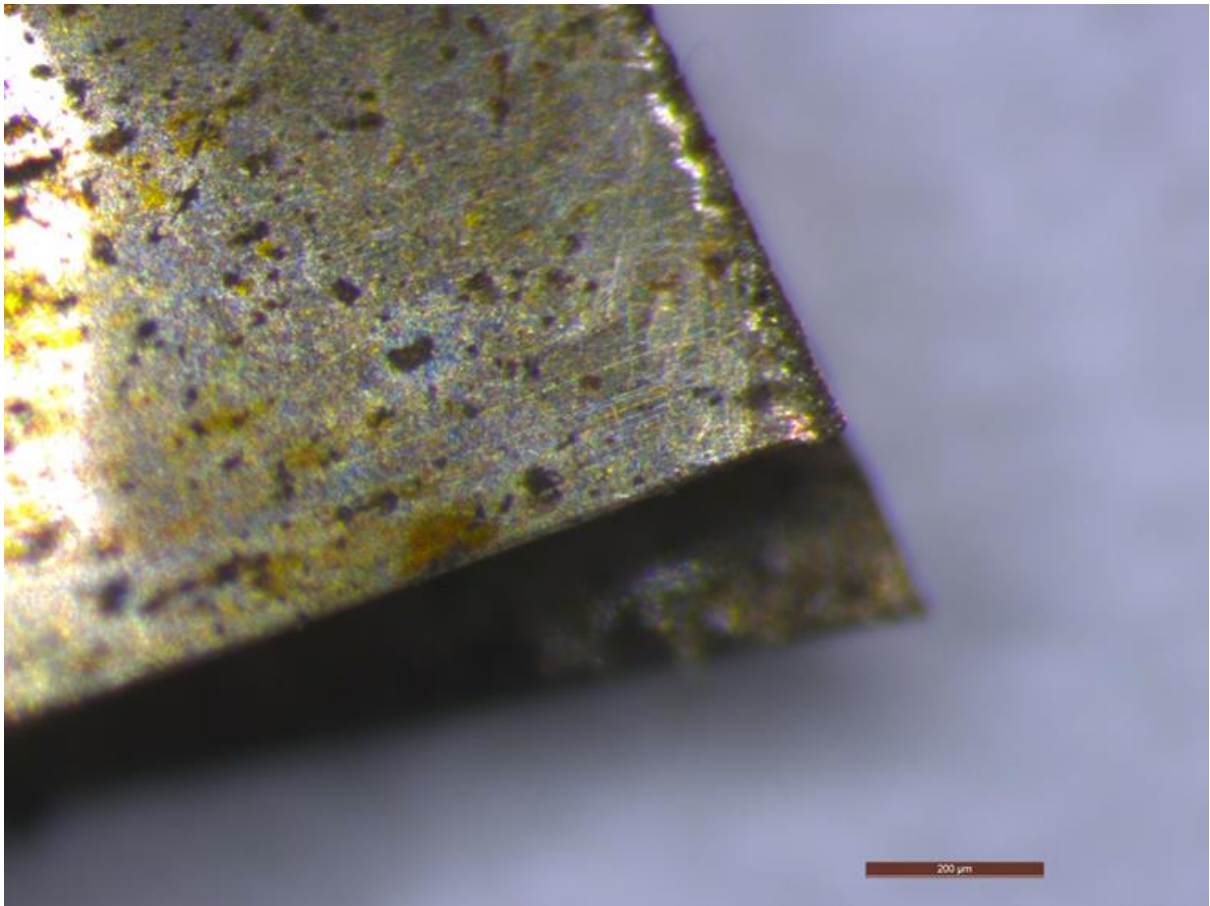
certo@inoe.ro



Visible color

Optical microscopy. Textile. Details





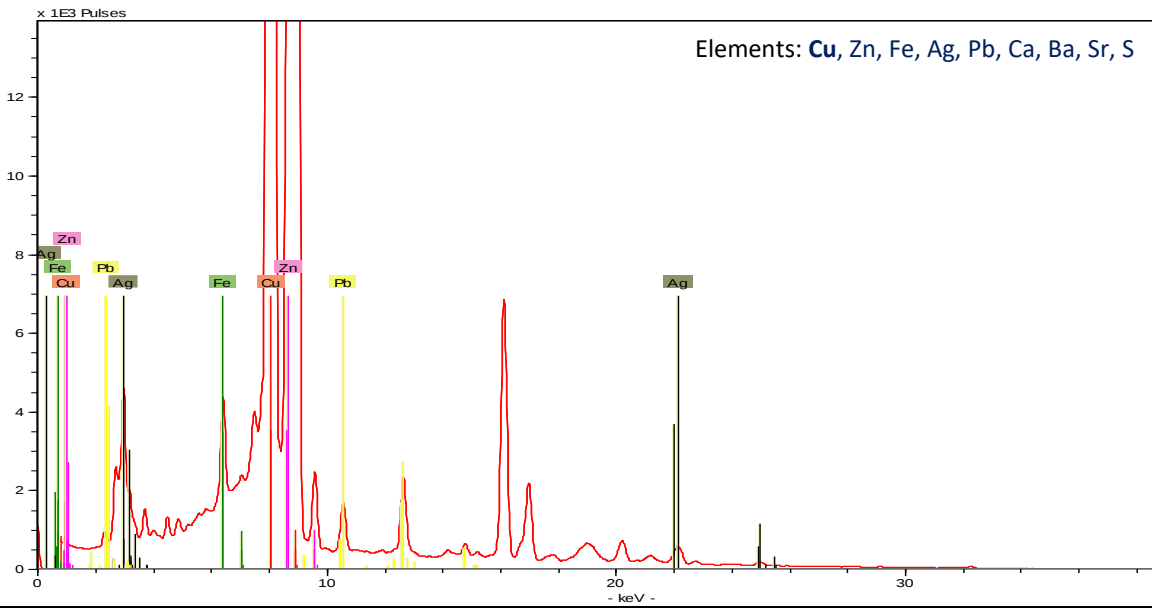
Optical microscopy. Detail-metallic thread

XRF-Points of analysis

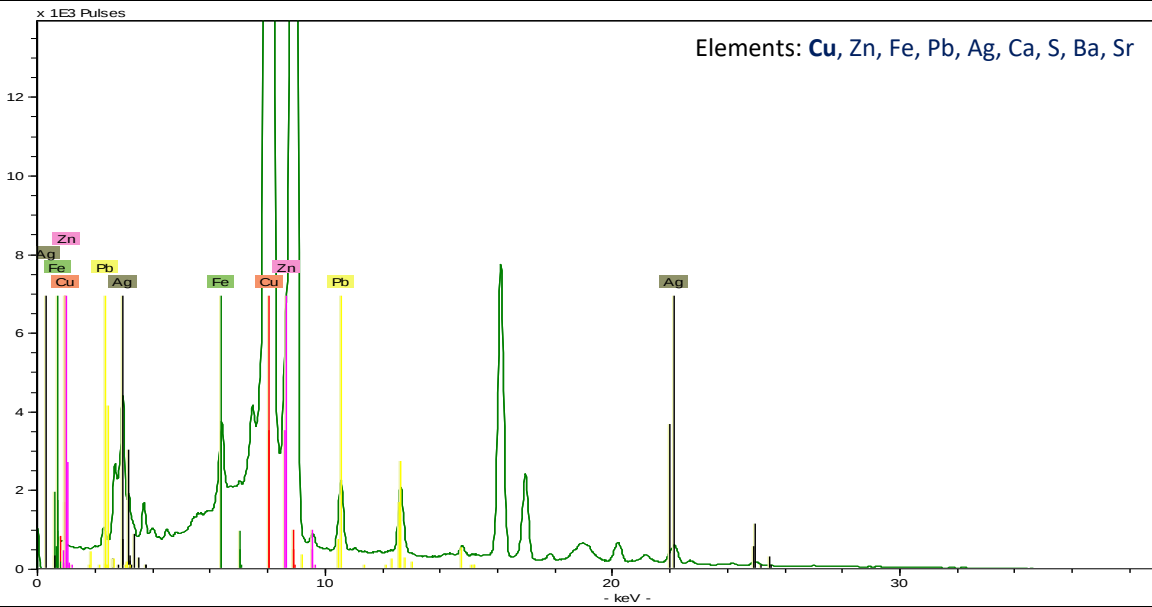


Details-Recorded spectra

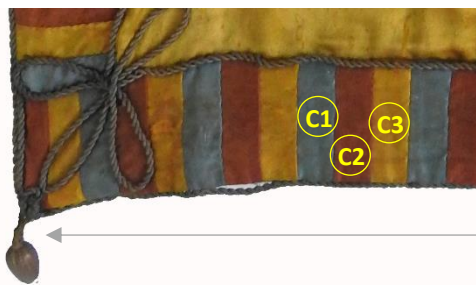
1



2



PUNCTE DE ANALIZĂ

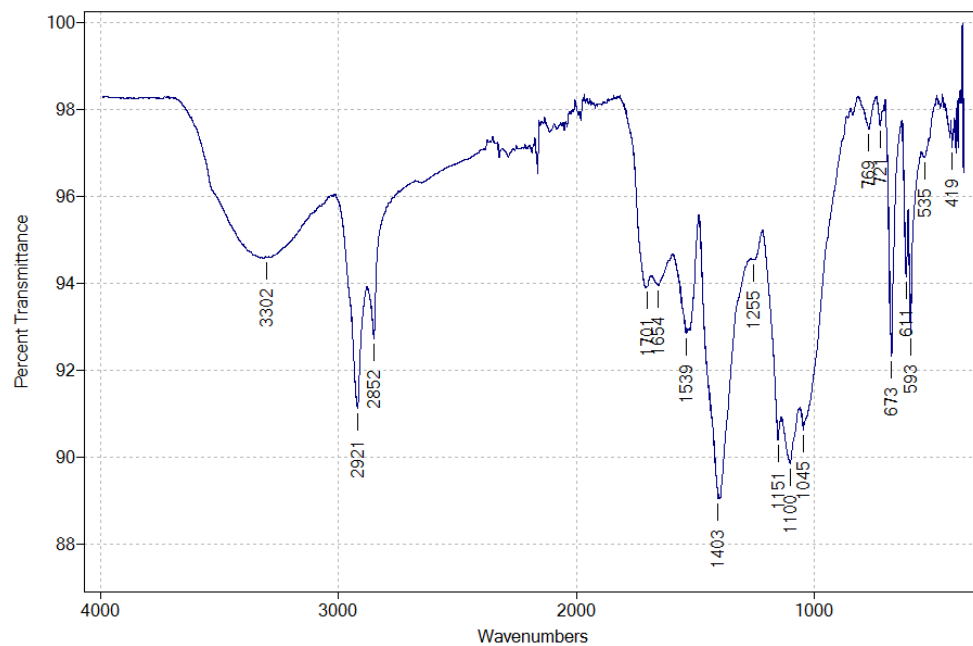


Strat pictural	Fir/țesătură
1 – alb-gri nori	C1 – țesătură (zona 1)
2 – albastru fundal	C2 – țesătură (zona 2)
3 – roșu veșmânt	C3 – țesătură (zona 3)
4 – verde veșmânt	
5 – alb (pată veșmânt)	

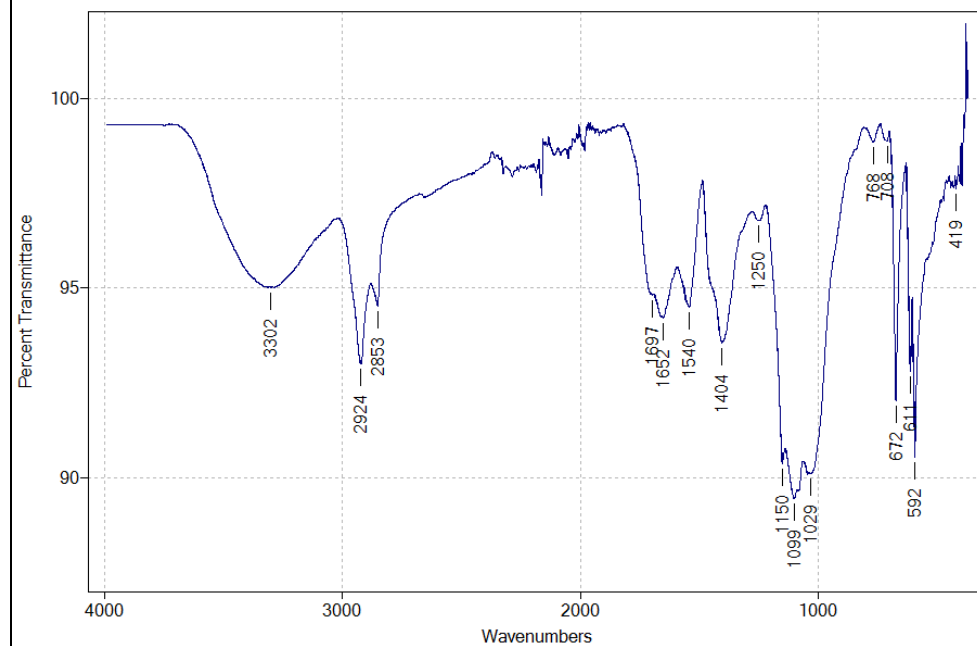
FTIR-Recorded data

Area 1

Paint layer



Preparation layer-support





954 nm



2200 nm



FCIR