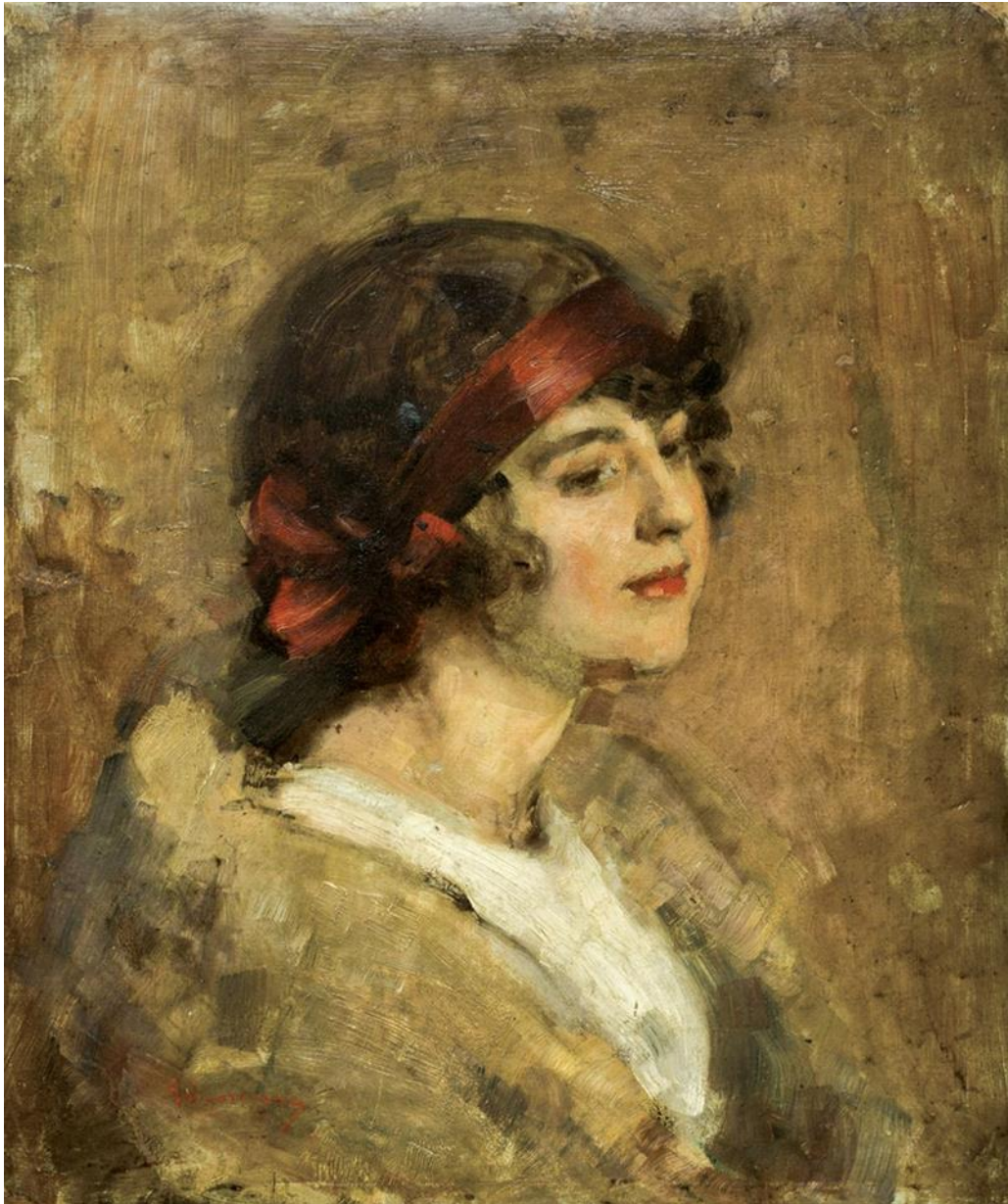


Name	Portrait of a woman with red scarf
Author/ Attribution	Nicolae Grigorescu
Technique	Oil on canvas / Easel painting
Beneficiary	Municipal Museum of Bucharest (MMB)
Analysis	- XRF (X-ray Fluorescence) with portable TRACER III-SD, anticathode Rh, 40 kV, 11 µA, 10 s time of analysis - FTIR spectroscopy - 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



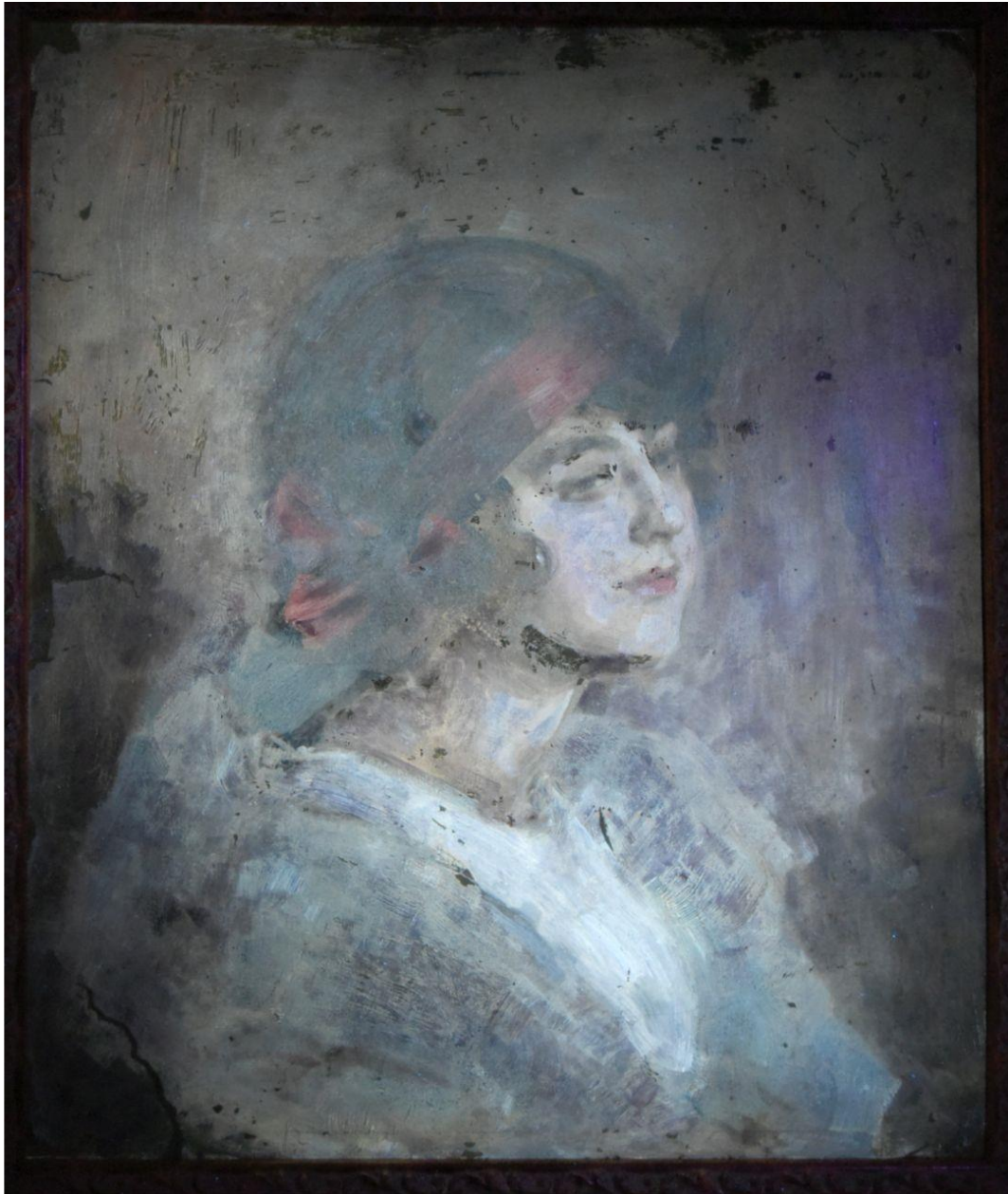
Visible Color



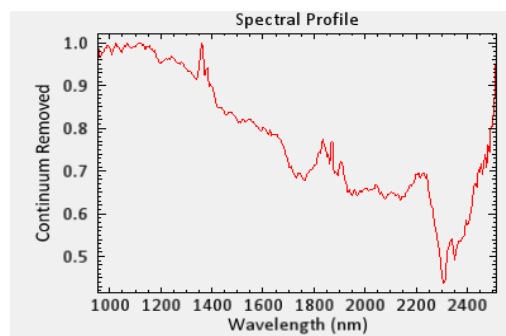
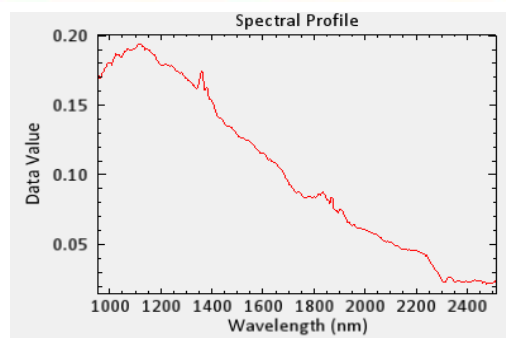
2000 nm



FCIR: RGB 1062-1590-1263 nm



UV fluorescence





Digital X-ray. Detail 1

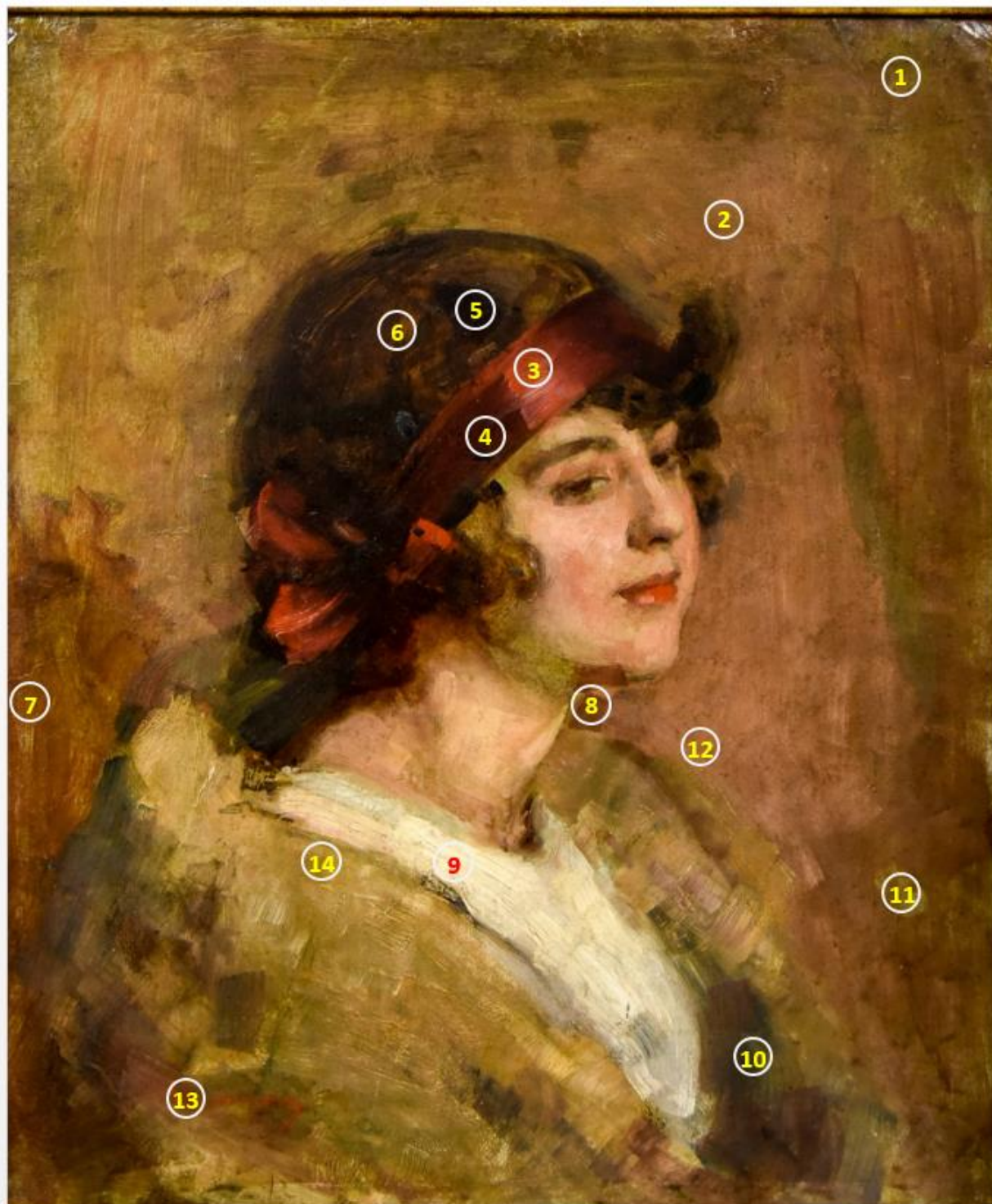


Digital X-ray. Detail 2



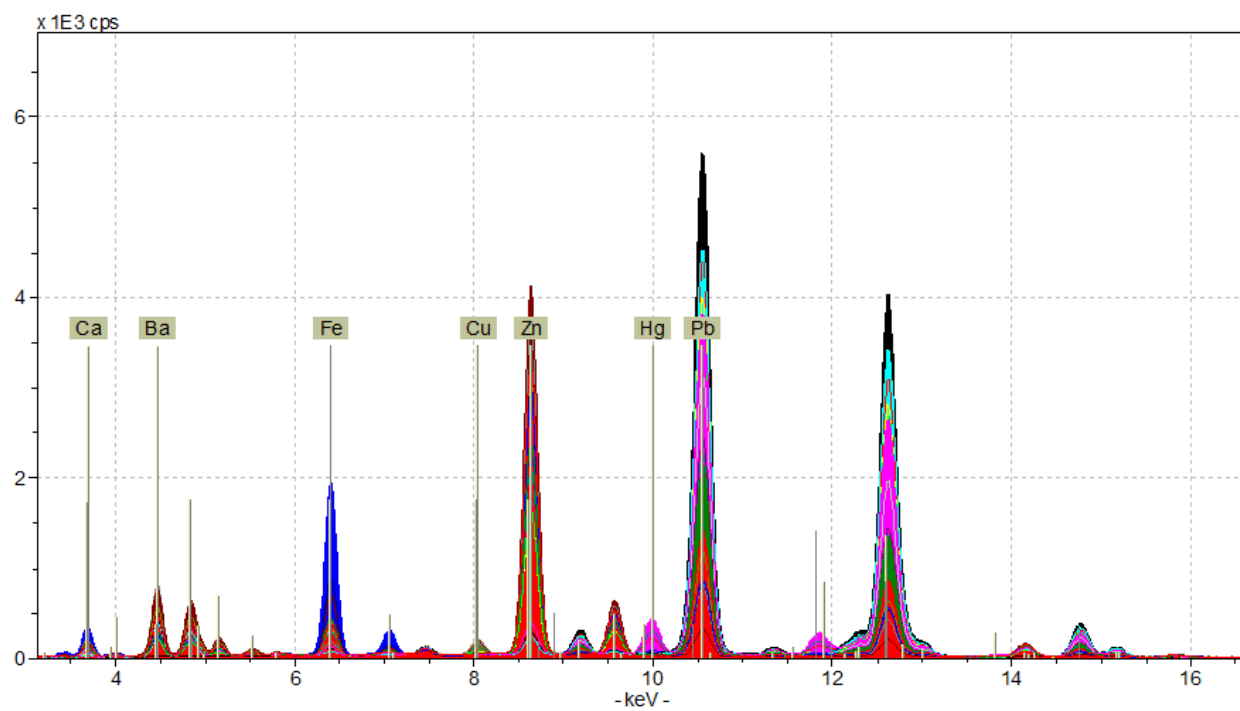
Optical microscopy-Detail of the signature

XRF. Points of analysis



Preliminary results

1	Zn, Pb, Ba, Fe, Ca	8	Zn, Pb, Ba, Fe, Cu Ca
2	Zn, Pb, Ba, Fe, Ca	9	Pb, Ba, Zn
3	Pb, Zn, Hg, Ba	10	Pb, Zn, Fe, Ba, Ca
4	Zn, Fe, Pb, Ba, Ca, Hg	11	Zn, Pb, Ba, Fe, Ca, Cu
5	Zn, Pb, Fe, Ba, Ca	12	Pb, Zn, Fe, Cu, Ba, Ca
6	Zn, Fe, Ba, Pb, Ca	13	Pb, Zn, Hg, Fe, Ba, Cu, Ca
7	Zn, Pb, Ba, Fe, Ca, Cu	14	Pb, Zn, Fe, Ba



Collected spectra