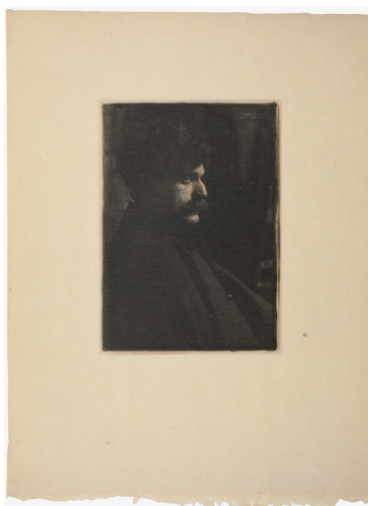


OBJECT RESEARCH



**Frank Eugene (American, 1865–1936)**

## Portrait of Alfred Stieglitz

c. 1899

Platinum print

Alfred Stieglitz Collection

**AIC accession number:** 1949.835

**Stieglitz Estate number:** N/A

**Inscriptions:** Signed recto, upper right, in negative:  
"Eugene"

**Dimensions:** 17.2 x 12.5 cm (image); 17.6 x 12.8 cm  
(paper); 34 x 25.5 cm (mount)

**Print thickness:** 0.103 mm

**Mount:** Original

**X-ray fluorescence (XRF) spectrometry:**  
See below

**X-RAY FLUORESCENCE (XRF) SPECTROMETRY**

XRF spectral readings were taken from the recto of the work and from the mount when available. The elements listed below have been positively identified in the work; elements in bold have been attributed to the processing of the print.

Print: **Fe, Pt, Hg**

Mount: K, Ca, Ti, Fe, Zn, Pb

The graph below shows XRF spectra for three distinct measurement areas on the print: the darkest, maximum-density image area (Dmax, purple); the lightest, minimum-density image area (Dmin, green); and the mount, when available (orange). The background spectrum (gray) represents the characteristic contribution of the instrument itself as measured on a Teflon reference and is included in order to discount irrelevant elements from the print's signature. Elements were identified based on the presence of their characteristic peaks. Analysis was performed with a Bruker ARTAX air-path portable micro-XRF system equipped with a laser pointer, an integrated camera system, a Mo 12.5µm filter, and a Mo tube. Measurements were taken for 250 LT at 50 kV and 800 µA. The spectrum below illustrates the significant peaks for this print in the energy range from 3 to 13 keV.

Figure 1. (right)  
Locations of XRF measurements



Figure 2. (below)  
XRF spectra from the Dmax, Dmin, mount, and background signal produced by the analyzer.

