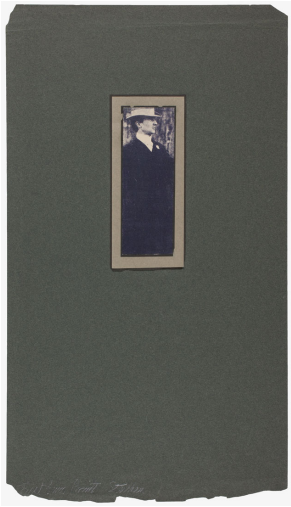

Edward Steichen (American, born Luxembourg, 1879–1973)

Young Tycoon (self-portrait)

c. 1902
Gum bichromate print
Alfred Stieglitz Collection
© 2016 The Estate of Edward Steichen/Artists Rights Society (ARS), New York

AIC accession number: 1949.872

Stieglitz Estate number: N/A

Inscriptions: Inscribed recto, on fourth hinged paper, lower center, in graphite: "[graphic signature/flower drawing and "S"]"; recto, on fourth hinged paper, lower left, in graphite: "First gum print Steichen"; unmarked verso

Dimensions: 14.8 x 5.1 cm (image/paper); 50.1 x 28.1 cm (last support)

Print thickness: N/A

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: **Cr**

Mount: K, Ca, Cr, Sr, Fe, Cu, 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 2 to 15 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.