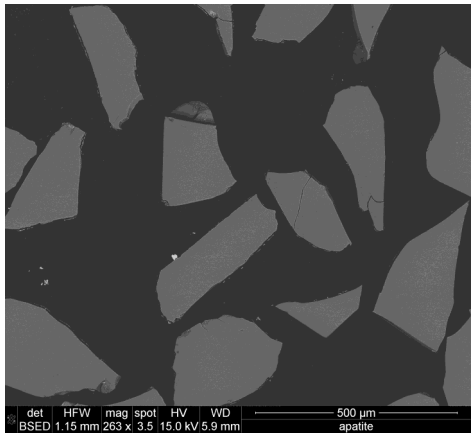
Smithsonian
National Museum of Natural History

Fluorapatite, NMNH 104021

SiO_2:	0.34	SrO:	0.07
Al_2O_3:	0.07	RE_2O_3:	1.43
Fe_2O_3:	0.06	ThO_2:	0.02
FeO:	0.00	As_2O_3:	0.09
MgO:	0.01	V_2O_5:	0.01
CaO:	54.02	CO_2:	0.05
Na_2O:	0.23	SO_3:	0.37
K_2O:	0.01	F:	3.53
P_2O_5:	40.78	Cl:	0.41
MnO:	0.01	H_2O:	0.01
Sub-total			101.52
TOTAL			99.94

** O equivalent to Cl, F = 1.58



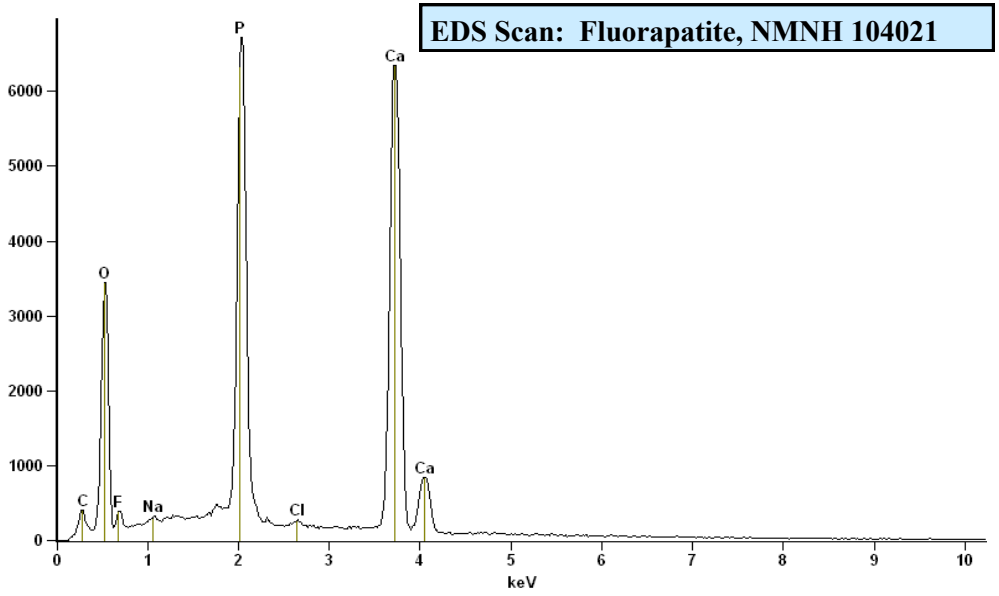
Size fractions available:
0.250 mm - 0.177 mm
0.177 mm - 0.149 mm

Analyst: E.L. Munson et al (Jarosewich et. al.,1980).
Source: Durango, Mexico

Standard Specifics:

Cathodoluminescence: peaks at: 370, 410, 450, 480, 580, 610, 650 nm

EDS Scan: Fluorapatite, NMNH 104021



References:

Young, E.J., Myers, A.T., Munson, E.L., Conklin, N.M. (1969) Mineralogy and geochemistry of fluorapatite from Cerro de Mercado, Durango, Mexico; USGS Professional Paper 650D, 84-93.

Jarosewich, E., Nelen, J. A., and Norberg, J. A. (1980) Reference Samples for Electron Microprobe Analysis. *Geostandards Newsletter 4, p. 43-47.*