

**Supplementary Table 1.** Microprobe analysis of Durango apatite.

Oxide	Oxide wt %
CaO	55.8(3)
MnO	0.03(1)
Na <sub>2</sub> O	0.26(3)
FeO	0.05(2)
MgO	0.030(3)
Al <sub>2</sub> O <sub>3</sub>	0.02(1)
SiO <sub>2</sub>	0.33(5)
P <sub>2</sub> O <sub>5</sub>	40.9(4)
SO <sub>2</sub>	0.26(4)
TiO <sub>2</sub>	0.008(4)
F	3.28(1)
Cl	0.45(3)

Measurements were conducted following the procedures outlined in Goldoff et al., (2012). Values are averaged from multi point analysis on 3 crystal fragments from the same source.

OH content calculated by difference assuming F+Cl+OH=1 pfu