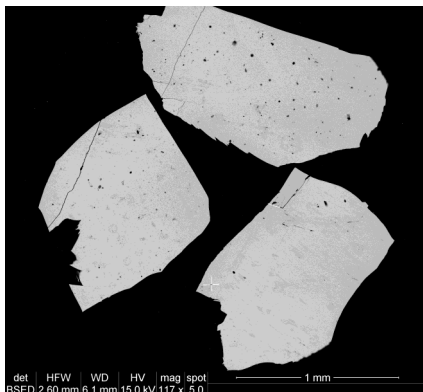




Benitoite, NMNH 86539

SiO ₂ :	43.75
TiO ₂ :	19.35
BaO:	37.05
TOTAL	100.15



Size fractions available:

> 1.19 mm
1.0 mm - 0.5 mm
> 0.5mm

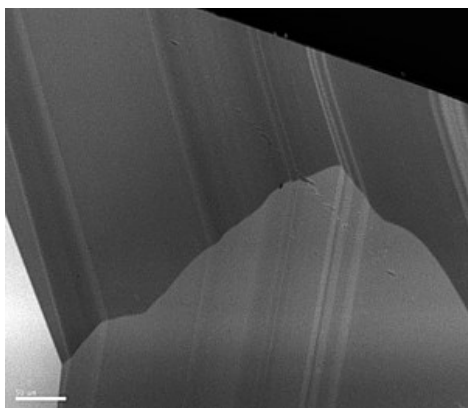
Analyst: J. Nelen (Jarosewich et. al., 1980).

Source: San Benito Co., California

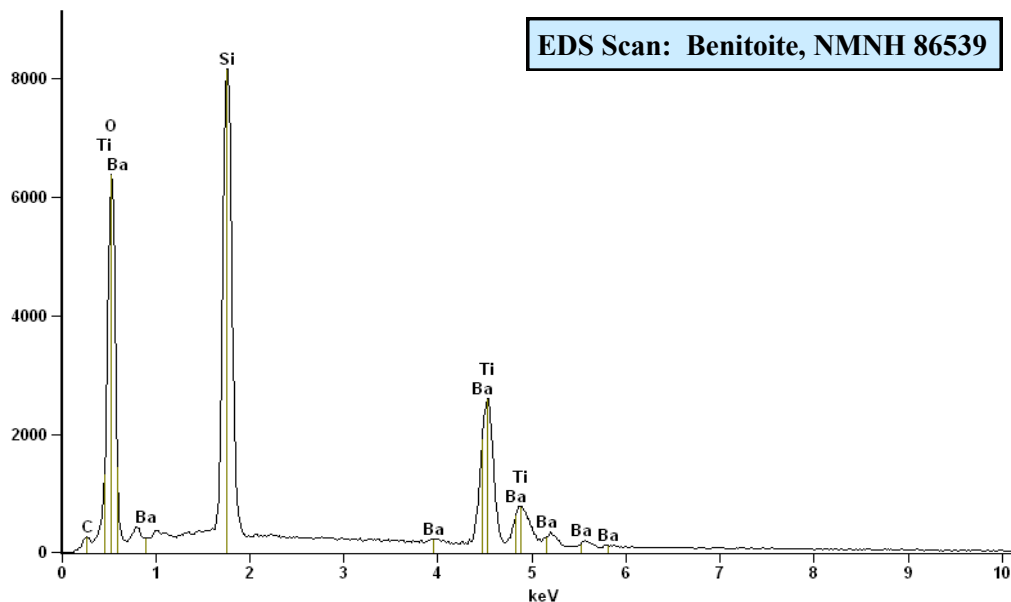
Standard Specifics:

The spectacular cathodoluminescence (see image below) of benitoite has been used for optimization of electron microbeam instruments for decades.

Preliminary CL spectroscopy reveals a peak at about 420 nm.



EDS Scan: Benitoite, NMNH 86539



References:

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