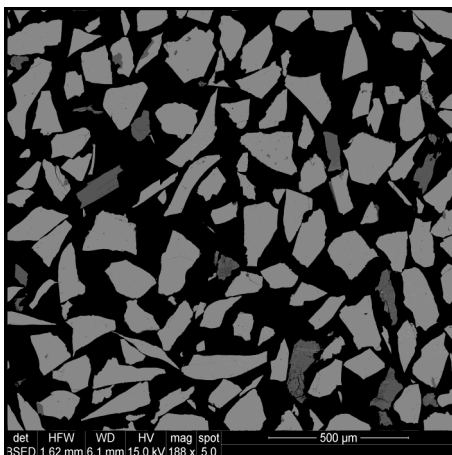


## Fayalite, NMNH 85276

SiO <sub>2</sub> :	29.22
Fe <sub>2</sub> O <sub>3</sub> :	1.32
FeO:	66.36
TiO <sub>2</sub> :	0.04
MnO:	2.14
H <sub>2</sub> O:	0.10
<b>TOTAL</b>	<b>99.18</b>

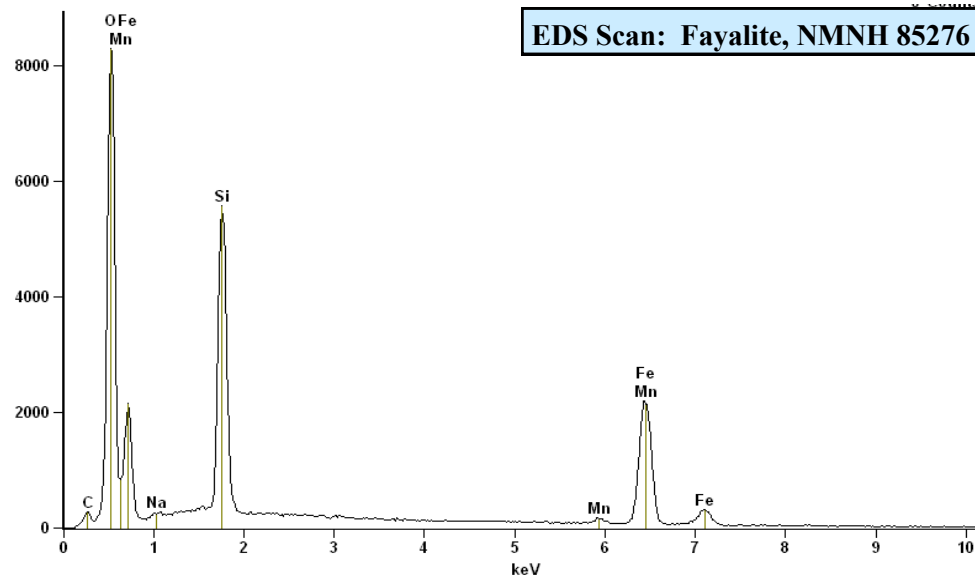
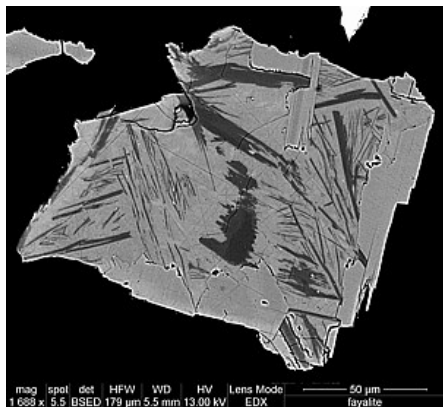


**Analyst:** J. Nelen (Jarosewich et. al., 1980).  
**Source:** Rockport, Massachusetts

**Size fractions available:**  
 Tiny grains, see image.

### Standard Specifics:

**Impurities:** This material is known to contain approximately 10% amphibole, probably grunerite, commonly associated with the Fayalite from this locality (visible in image above). Some Fayalite grains are intergrown with impurities. Other complex grains such as the image below remain largely unstudied.



### References:

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- Dyar, M. D. et. al. (1988) Fe<sup>3+</sup> distribution in oxidized olivine: A Synchrotron micro-XANES study. *Am. Min.*, 83, p. 1361-1365.
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