

## **BROOKITE**



One of three polymorphs of TiO<sub>2</sub> (others are rutile and anatase), brookite forms in some low-temperature hydrothermal veins and as an authigenic mineral in clastic sediments. Southern Peninsula.

**Genesee County:** Near Mount Morris in the SW ¼ NW ¼ section 6, T8N, R7E: Found with authigenic feldspar in fine sand from the bottom of a 8 meter water well in lacustrine sediments (Stewart, 1937).

**Jackson County:** A microscopic accessory in the Napoleon Sandstone (Early Mississippian) in the Napoleon quarries. Other accessories are leucoxene, ilmenite, magnetite, pyrite, biotite, rutile, zircon, tourmaline, muscovite, plagioclase, perthite, and hornblende (Heinrich, 1979).

**FROM:** Robinson, G.W., 2004 *Mineralogy of Michigan* by E.W. Heinrich updated and revised: published by A.E. Seaman Mineral Museum, Houghton, MI, 252p.