

Epidote $[\text{Ca}_2(\text{Al,Fe})_3(\text{SiO}_4)_3(\text{OH})]$

Epidote is a pistachio-green silicate mineral found in many metamorphic and igneous rocks. Although most specimens of epidote are small and seen primarily with the assistance of a microscope, some crystals can grow large, exhibiting deep striations that are often twinned. Epidote is also a name given to a mineral group consisting of important rock-forming minerals such as clinozoisite, hancockite, and zoisite. These minerals form in both near-surface conditions in high grade metamorphic rocks and as liquidus phases in magmatic (igneous) rocks. Epidote has become an important mineral in petrographic and geochemical research to help identify specific geological processes and environments. OR10/PK24



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