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## On the crystal structure of pseudowollastonite (CaSiO<sub>3</sub>)

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## ABSTRACT

A single-crystal X-ray diffraction study of synthetic pseuowollastonite (CaSiO<sub>3</sub>) shows that this crystal has monoclinic *C*2/*c* symmetry, with *a* = 6.8394(5), *b* = 11.8704(9), *c* = 19.6313(7) Å,  $\beta$  = 90.667(6)°, and *V* = 1593.7(2) Å<sup>3</sup>. Basic features of the *C*2/*c* structure are similar to those previously determined with a *C*1 symmetry but fewer sites exist for the monoclinic space group: five symmetrically nonequaivalent Ca sites, three Si sites, and nine O sites.