

substance: CeS₂

property: crystal structure, physical properties

crystal structure tetragonal (pseudocubic, D_{4h}⁷ – P4/nmm)

lattice parameters

a 4.09 Å
c 9.12 Å

79F

IR spectrum: Fig. 1

References:

- 75G Golovin, Yu. M., Petrov, K. I., Loginova, E. M., Grizik, A. A., Ponomarev, N. M.: Zh. Neorg. Khim. 20 (1975) 283.
- 79F Flahaut, J.: In Handbook on the Physics and Chemistry of Rare Earths; Gschneidner, K. A., and Eyring, L. R. (eds.), Amsterdam: North Holland 1979.

Fig. 1.

LaS₂, CeS₂. Absorbance vs. wavenumber for a polycrystalline sample [75G].

