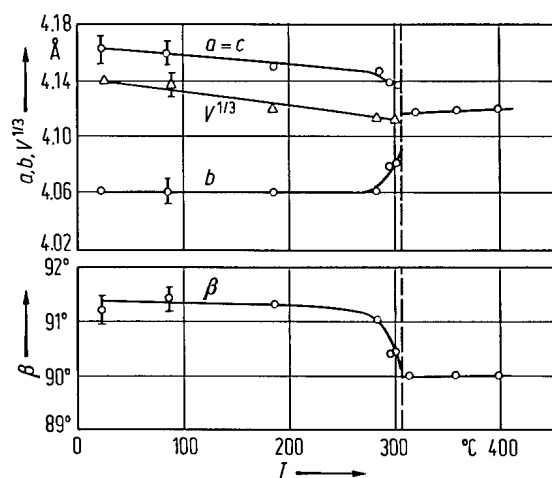


**No. 1B-b13  $\text{Pb}(\text{Cd}_{1/2}\text{Te}_{1/2})\text{O}_3$**   
( $M = 375.2$ )

1a	Dielectric property of $\text{Pb}(\text{Cd}_{1/2}\text{Te}_{1/2})\text{O}_3$ was reported by Politova and Venevtsev.	73Pol
b	Crystal system: perovskite triclinic at RT.	73Pol
3a	$a = c = 8.24 \text{ \AA}$ , $b = 8.28 \text{ \AA}$ , $90^\circ < \alpha < 90^\circ 5'$ , $\beta = 92^\circ 35'$ at RT.	73Pol
4	Temperature dependence of lattice parameters: Fig. 1B-b13-001.	
5a	Dielectric constant: $\kappa_{\max}$ at $\Theta \approx 295^\circ\text{C}$ ( $f = 1 \text{ kHz}$ ).	73Pol



**Fig. 1B-b13-001.**  $\text{Pb}(\text{Cd}_{1/2}\text{Te}_{1/2})\text{O}_3$ .  $a$ ,  $b$ ,  $\beta$ ,  $V^{1/3}$  vs.  $T$  for average basic unit cell [75Pol].

### References

- 73Pol Politova, E.D., Venevtsev, Yu.N.: Dokl. Akad. Nauk SSSR **209** (1973) 838; Sov. Phys. Dokl. (English Transl.) **18** (1973) 264.  
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