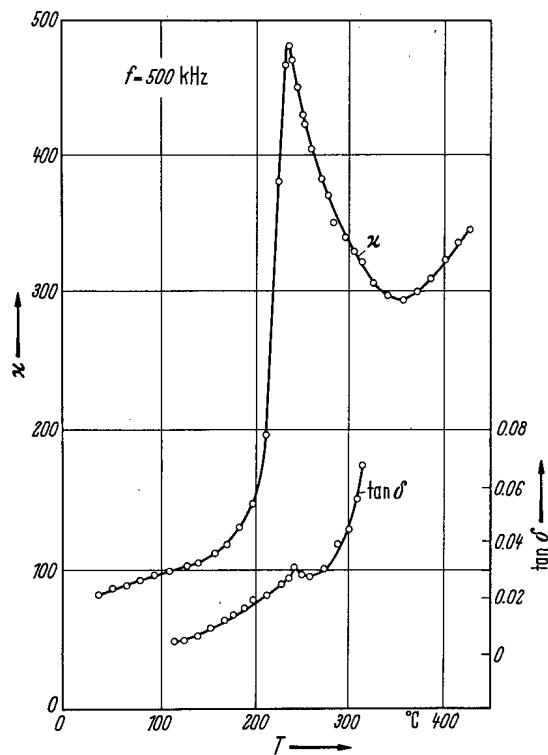


**No. 1B-c16  $\text{Pb}(\text{Ho}_{1/2}\text{Nb}_{1/2})\text{O}_3$**   
( $M = 384.1$ )

1a	Dielectric anomaly in $\text{Pb}(\text{Ho}_{1/2}\text{Nb}_{1/2})\text{O}_3$ was found by Kupriyanov and Fesenko.		65Kup
b	phase	II	I
	state	(A)	P
	crystal system	monoclinic	cubic
	$\Theta$ [°C]	240	
3a	$a = c = 4.160 \text{ \AA}$ , $b = 4.106 \text{ \AA}$ , $\beta = 90^\circ 30'$ at RT.		65Kup
5a	Dielectric constant: Fig. 1B-c16-001.		



**Fig. 1B-c16-001.**  $\text{Pb}(\text{Ho}_{1/2}\text{Nb}_{1/2})\text{O}_3$ .  $\kappa$ ,  $\tan \delta$  vs.  $T$  [65Kup].  $f = 500 \text{ kHz}$ .

**Reference**

65Kup Kupriyanov, M.F., Fesenko, E.G.: *Izv. Akad. Nauk SSSR, Ser. Fiz.* **29** (1965) 925; *Bull. Acad. Sci. USSR, Phys. Ser. (English Transl.)* **29** (1965) 930.