

No. 1B-c10 $\text{Pb}(\text{Mn}_{1/2}\text{Nb}_{1/2})\text{O}_3$
($M = 329.1$)

1a	A synthesis of $\text{Pb}(\text{Mn}_{1/2}\text{Nb}_{1/2})\text{O}_3$ with perovskite structure was reported by Smolenskii et al. and Venevtsev et al.			59Smo 64Ven
b	phase	III	II	I
	state	(F), A_{magn}	(F), P_{magn}	P, P_{magn}
	crystal system			cubic
	Θ [K]	11	293	
	Color: black			
2a	Crystal growth: flux method (PbO-PbF_2).			69Dro
3a	$a = 4.0004 \text{ \AA}$ at RT (pseudocubic cell parameter).			65Rog
b	Superstructures were found, which are indexed in the double cell.			69Dro
5a	Dielectric constant: see			65Rog
12	Magnetic susceptibility: Fig. 1B-c10-001.			

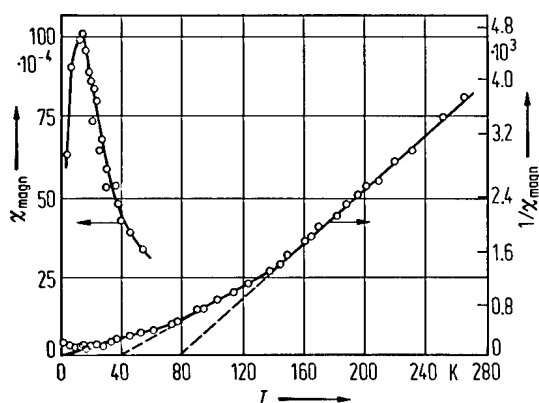


Fig. 1B-c10-001. $\text{Pb}(\text{Mn}_{1/2}\text{Nb}_{1/2})\text{O}_3$. χ_{magn} , $1/\chi_{\text{magn}}$ vs. T [69Dro].

References

- 59Smo Smolenskii, G.A., Agranovskaya, A.I.: Fiz. Tverd. Tela **1** (1959) 1562; Sov. Phys. Solid State (English Transl.) **1** (1959) 1429.
- 64Ven Venevtsev, Yu.N., Roginskaya, Yu.E., Viskov, A.S., Ivanova, V.V., Tomashpol'skii, Yu.Ya., Shvorneva, L.I., Kapyshev, A.G., Teverpvsckii, A.Yu., Zhdanov, G.S.: Dokl. Akad. Nauk SSSR **158** (1964) 86; Sov. Phys. Dokl. (English Transl.) **9** (1965) 751.
- 65Rog Roginskaya, Yu.E., Venevtsev, Yu.N.: Fiz. Tverd. Tela **7** (1965) 400; Sov. Phys. Solid State (English Transl.) **7** (1965) 321.
- 69Dro Drobyshchev, L.A., Al'shin, B.I., Tomashpol'skii, Yu.Ya., Venevtsev, Yu.N.: Kristallografiya **14** (1969) 736; Sov. Phys. Crystallogr. (English Transl.) **14** (1970) 634.