**No. 1B-e5 $Pb(Mn_{2/3}W_{1/3})O_3$**
($M$ = 353.1)

1a Dielectric and magnetic anomalies in $Pb(Mn_{2/3}W_{1/3})O_3$ were reported by Roginskaya et al. in 1965. 65Rog

b

| phase | III | II | I |
|---|---|---|---|
| state | (A), ($A_{magn}$) | (A), $P_{magn}$ | P, $P_{magn}$ |
| crystal system | | monoclinic | cubic |
| $\Theta$ [K] | 203 (average) | 473 (average) | |

65Rog

The transitions are diffuse phase transitions smeared around 203 K and 473 K.
Color: light yellow. 60Bok

3a $a = c$ = 4.098 Å, $b$ = 4.014 Å, $\beta = 90^o23'$ at RT. 65Rog

5a Dielectric constant: Fig. 1B-e5-001.

11 Electrical conductivity: $\sigma = 2 \cdot 10^{-7}\ \Omega^{-1}m^{-1}$. 65Rog

12 Magnetic susceptibility: see Fig. 1B-e5-001.
$\Theta_{p\ magn}$ = –75 K.

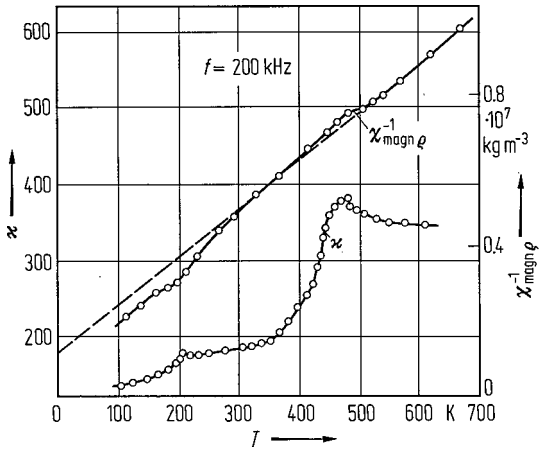


**Fig. 1B-e5-001**. $Pb(Mn_{2/3}W_{1/3})O_3$. $\kappa$, $1/\chi_{magn\ \rho}$ vs. $T$ [65Rog]. $f$ = 200 kHz. $\chi_{magn\ \rho}$: mass magnetic susceptibility.

## References

60Bok Bokov, V.A., Myl'nikova, I.E.: Fiz. Tverd. Tela **2** (1960) 2728; Sov. Phys. Solid State (English Transl.) **2** (1961) 2428.

65Rog Roginskaya, Yu.E., Venevtsev, Yu.N., Zhdanov, G.S.: Zh. Eksp. Teor. Fiz. **48** (1965) 1224; Sov. Phys. JETP (English Transl.) **21** (1965) 817.