

No. 1B-c26 Ba(Bi_{1/2}Bi_{1/2})O₃
(*M* = 394.31)

1a	Dielectric anomaly in Ba(Bi _{1/2} Bi _{1/2})O ₃ was reported by Fesenko et al. in 1972.	72Fes
b	Crystal system: monoclinic triclinic	72Fes 71Nak
3a	Unit cell parameters: <i>a</i> = <i>c</i> = 4.340 Å, <i>b</i> = 4.320 Å, <i>β</i> = 90°24' (monoclinic). <i>a</i> = <i>b</i> = 4.356 Å, <i>c</i> = 4.333 Å, <i>α</i> = <i>β</i> = 89°54', <i>γ</i> = 89°38' (triclinic).	72Fes 71Nak
5a	Dielectric constant: the maximum of <i>κ</i> (<i>f</i> = 20, 45 and 100 kHz) occurs at about 320 °C.	72Fes
9a	Infrared absorption: the charge distribution Ba(Bi _{1/2} ³⁺ Bi _{1/2} ⁵⁺)O ₃ is incorrect.	73deH
11	Electrical conduction: semiconductive. Seebeck coefficient: positive from 250 to 400 K.	71Nak 71Nak
12	Paramagnetism: $\chi_{\text{mag n}} \approx 4.62 \cdot 10^{-10} \text{ m}^3 \text{ mol}^{-1}$ at 380 K.	71Nak

References

- 71Nak Nakamura, T., Kose, S., Doi, K.: J. Phys. Soc. Jpn. **31** (1971) 1284.
72Fes Fesenko, E.G., Shuvaeva, E.T., Gol'tsov, Yu.I.: Kristallografiya **17** (1972) 419; Sov. Phys. Crystallogr. (English Transl.) **17** (1972) 362.
73deH de Hair, J.Th.W., Blasse, G.: Solid State Commun. **12** (1973) 727.