

Fig. 35B-1-001. $\text{Cs}_{1-x}\text{K}_x\text{TiOPO}_4$. Θ_f , T_{melt} vs. x [89Man]. Θ_f was determined from the vanishing point of SHG.

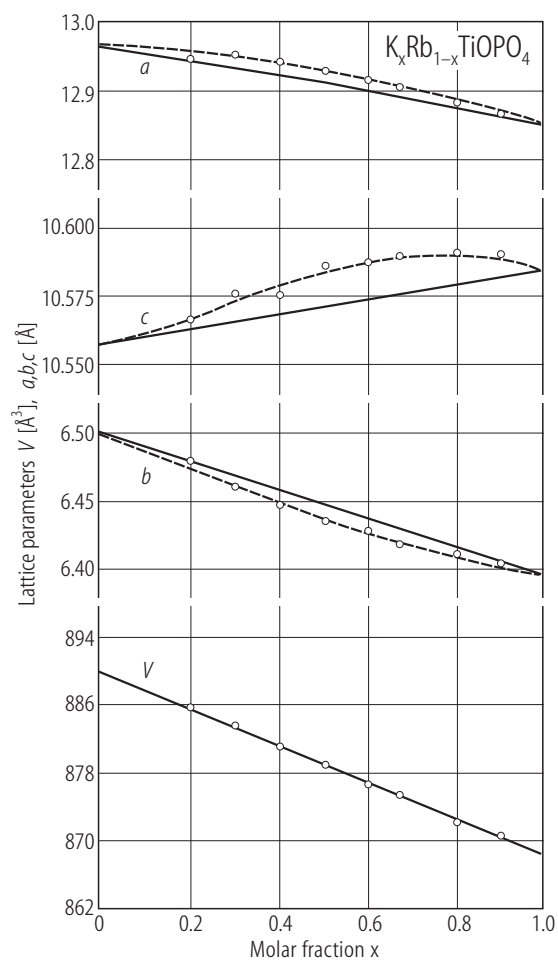


Fig. 35B-1-002. $\text{K}_x\text{Rb}_{1-x}\text{TiOPO}_4$. a , b , c , V vs. x [76Zum]. a , b , c : lattice constants; V : unit cell volume.

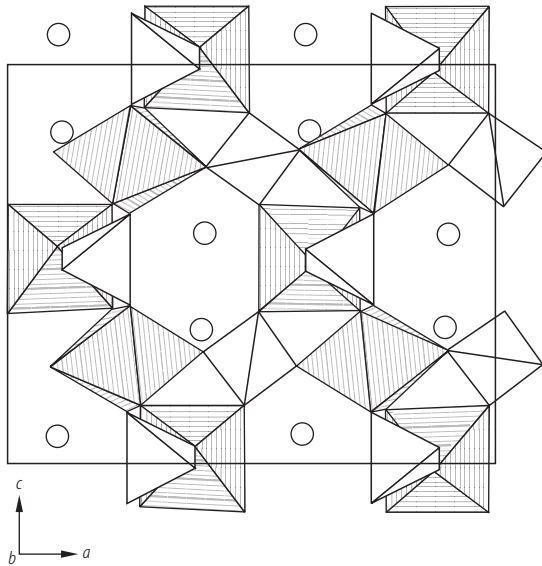


Fig. 35B-1-003. $\text{K}_{0.59}\text{Tl}_{0.41}\text{TiOPO}_4$. The projection of crystal structure onto the b -plane [94Vor]. Open circle: K or Tl, octahedron: TiO_6 , tetrahedron: PO_4 .

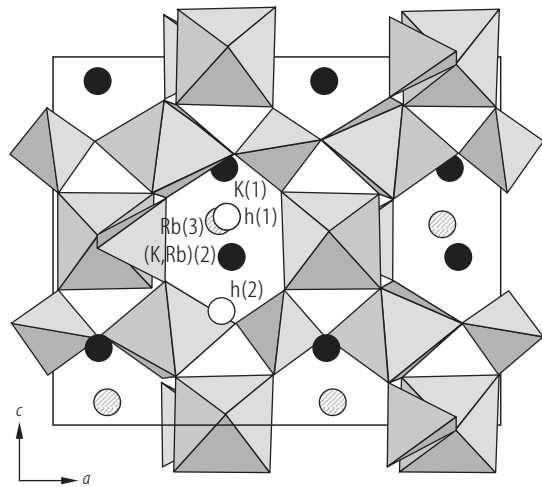


Fig. 35B-1-004. $\text{K}_{0.84}\text{Rb}_{0.16}\text{TiOPO}_4$. A view of the structure along $[010]$ showing the location of the hole sites $h(1)$ and $h(2)$ [94Tho].

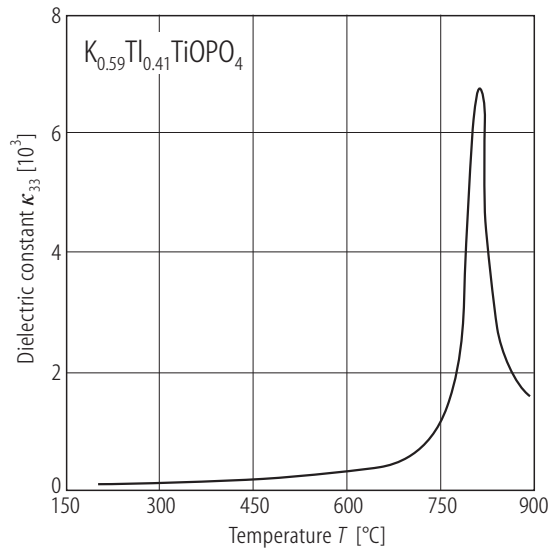


Fig. 35B-1-005. $\text{K}_{0.59}\text{Tl}_{0.41}\text{TiOPO}_4$. κ_{33} vs. T [94Vor]. $f=1$ MHz.

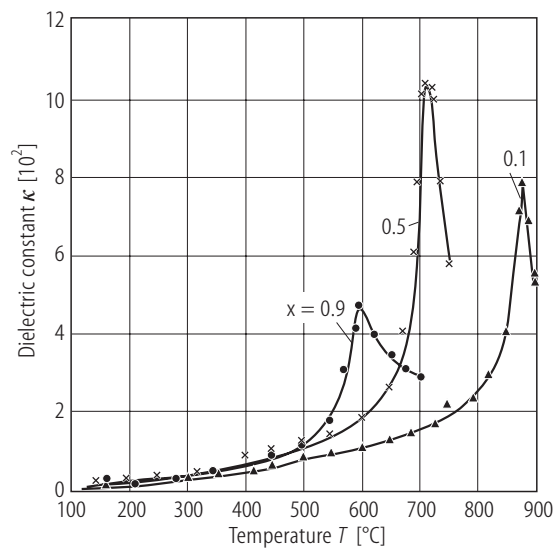


Fig. 35B-1-006. $\text{K}_{1-x}\text{Tl}_x\text{TiOPO}_4$ (ceramics). κ vs. T [90Vor]. Parameter: x . $f=1$ MHz.

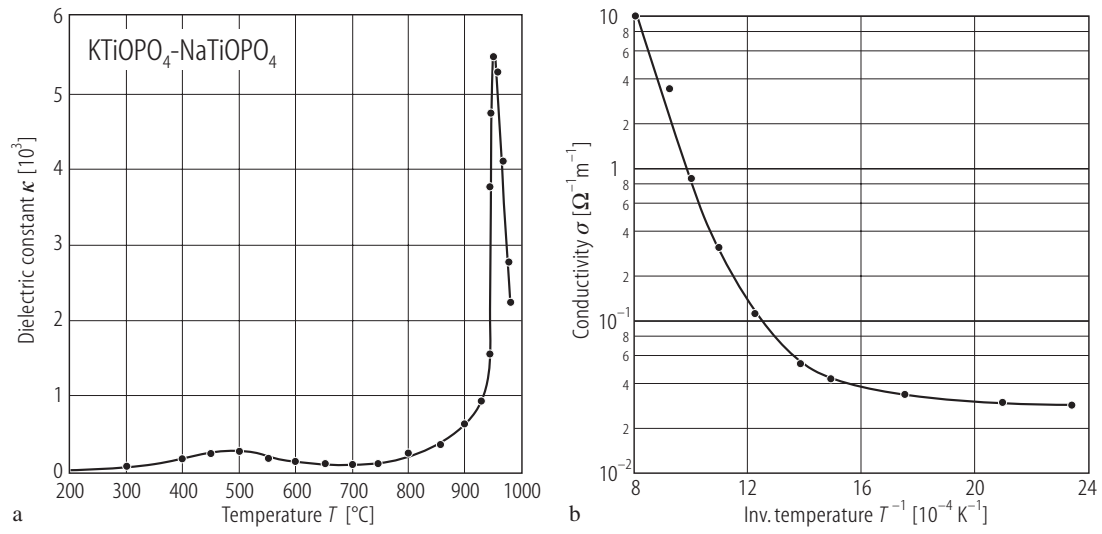


Fig. 35B-1-007. $\text{K}_{0.5}\text{Na}_{0.5}\text{TiOPO}_4$ (ceramic). (a) κ vs. T [90Vor]. $f = 1\text{ MHz}$. (b) σ vs. T^{-1} .

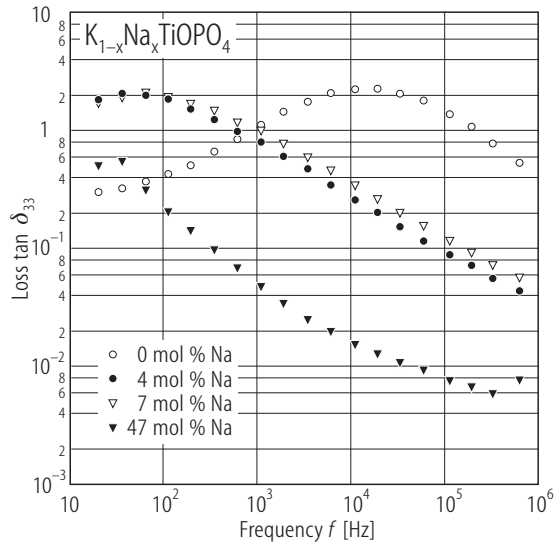


Fig. 35B-1-008. $\text{K}_{1-x}\text{Na}_x\text{TiOPO}_4$. $\tan \delta_{33}$ vs. f [94Loi]. Parameter: x .

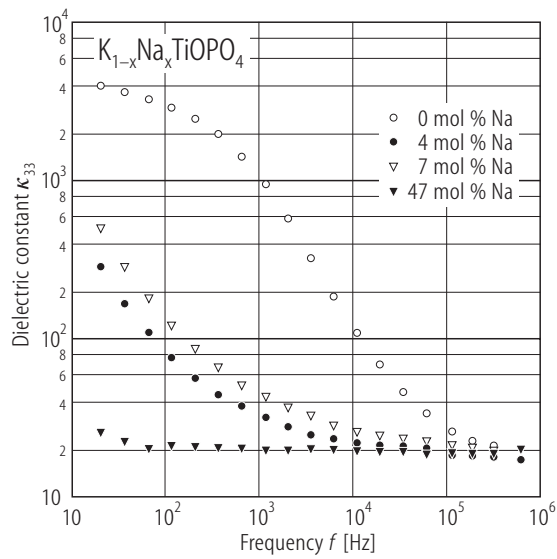


Fig. 35B-1-009. $\text{K}_{1-x}\text{Na}_x\text{TiOPO}_4$, κ_{33} vs. f [94Loi]. Parameter: x .

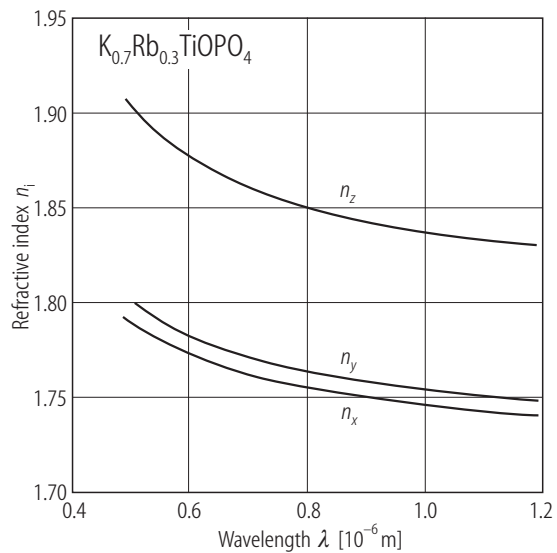


Fig. 35B-1-010. $\text{K}_{0.7}\text{Rb}_{0.3}\text{TiOPO}_4$, n_x , n_y , n_z vs. λ [94Wan]. $T = 293$ K. n_x , n_y , n_z : refractive indices.

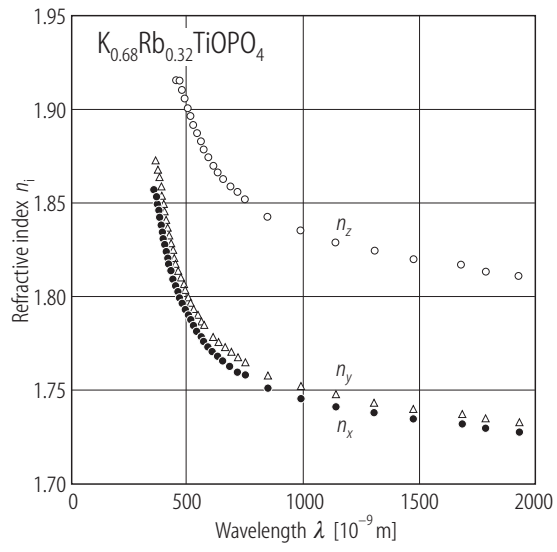


Fig. 35B-1-011. $\text{K}_{0.68}\text{Rb}_{0.32}\text{TiOPO}_4$. n_x , n_y , n_z vs. λ [76Zum].

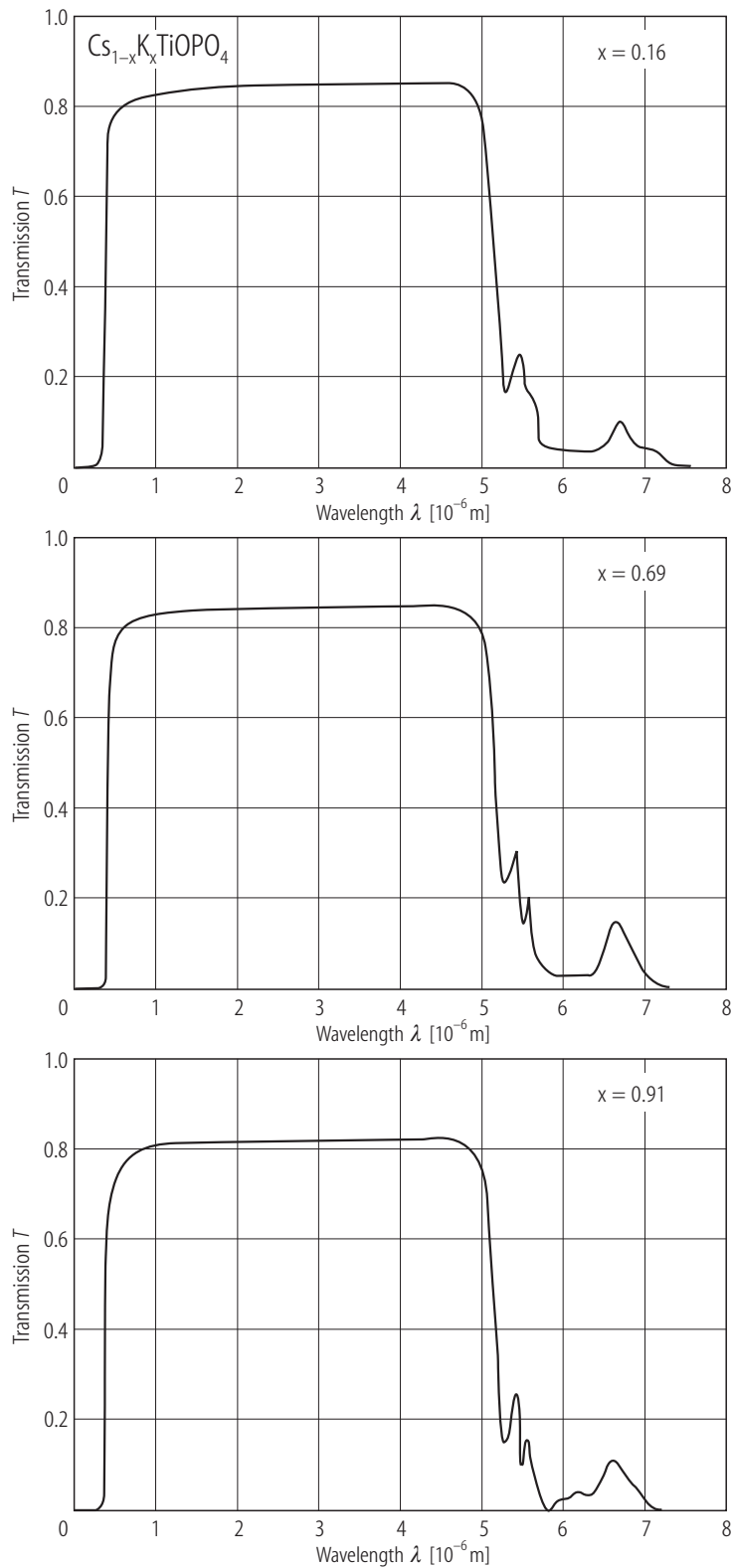


Fig. 35B-1-012. Cs_{1-x}K_xTiOPO₄. T vs. λ [89Man]. T : light transmission [$t = 1$ mm]. Parameter: x .

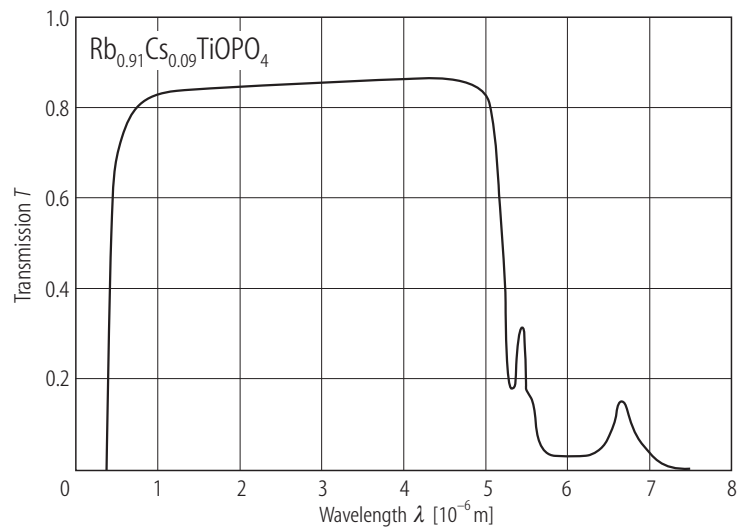


Fig. 35B-1-013. $\text{Rb}_{0.91}\text{Cs}_{0.09}\text{TiOPO}_4$. T vs. λ [89Man]. T : light transmission [$t = 1 \text{ mm}$].

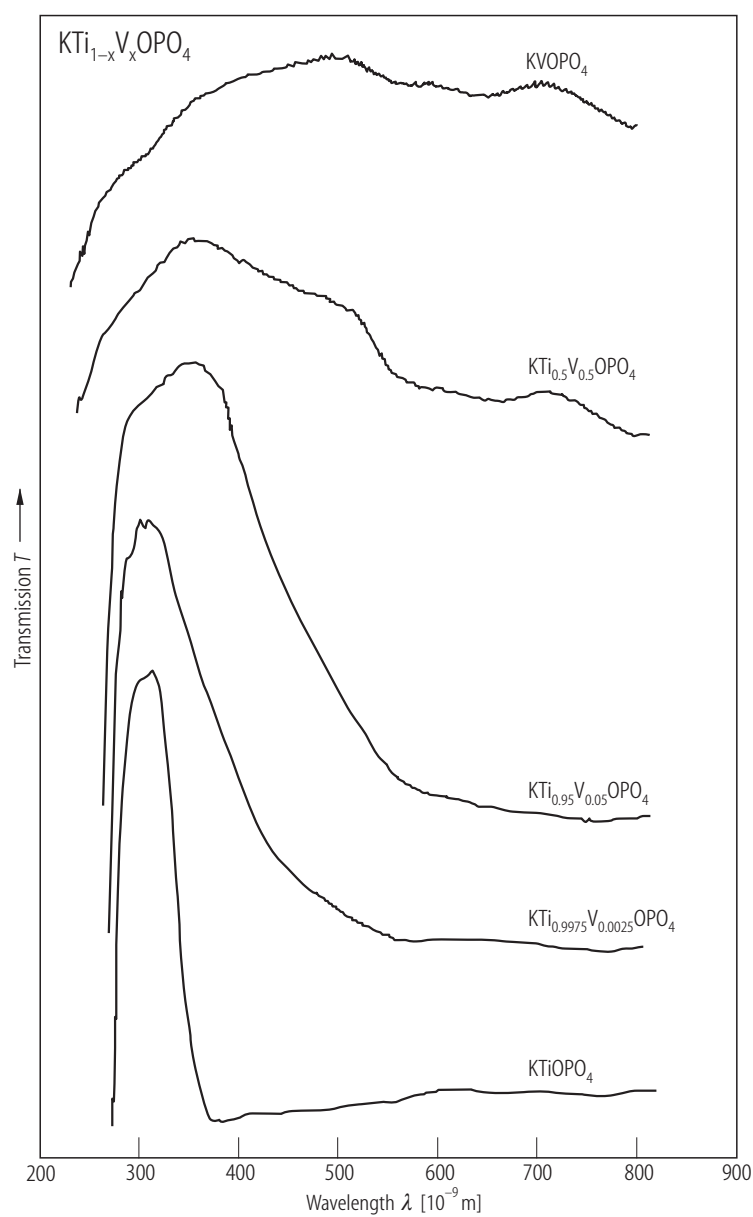


Fig. 35B-1-014. $\text{KTi}_{1-x}\text{V}_x\text{OPO}_4$. UV-visible spectra at several values of x [90Phi]. T : light transmission.

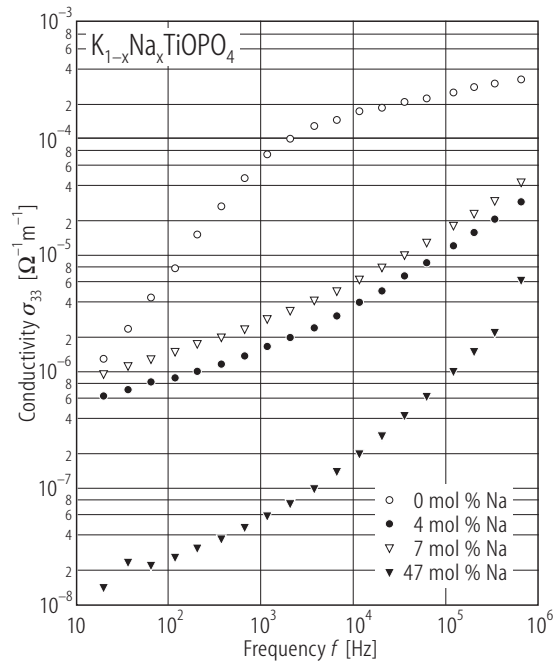


Fig. 35B-1-015. $\text{K}_{1-x}\text{Na}_x\text{TiOPO}_4$, σ_{33} vs. f [94Loi]. σ_{33} : conductivity along [001]. Parameter: x .

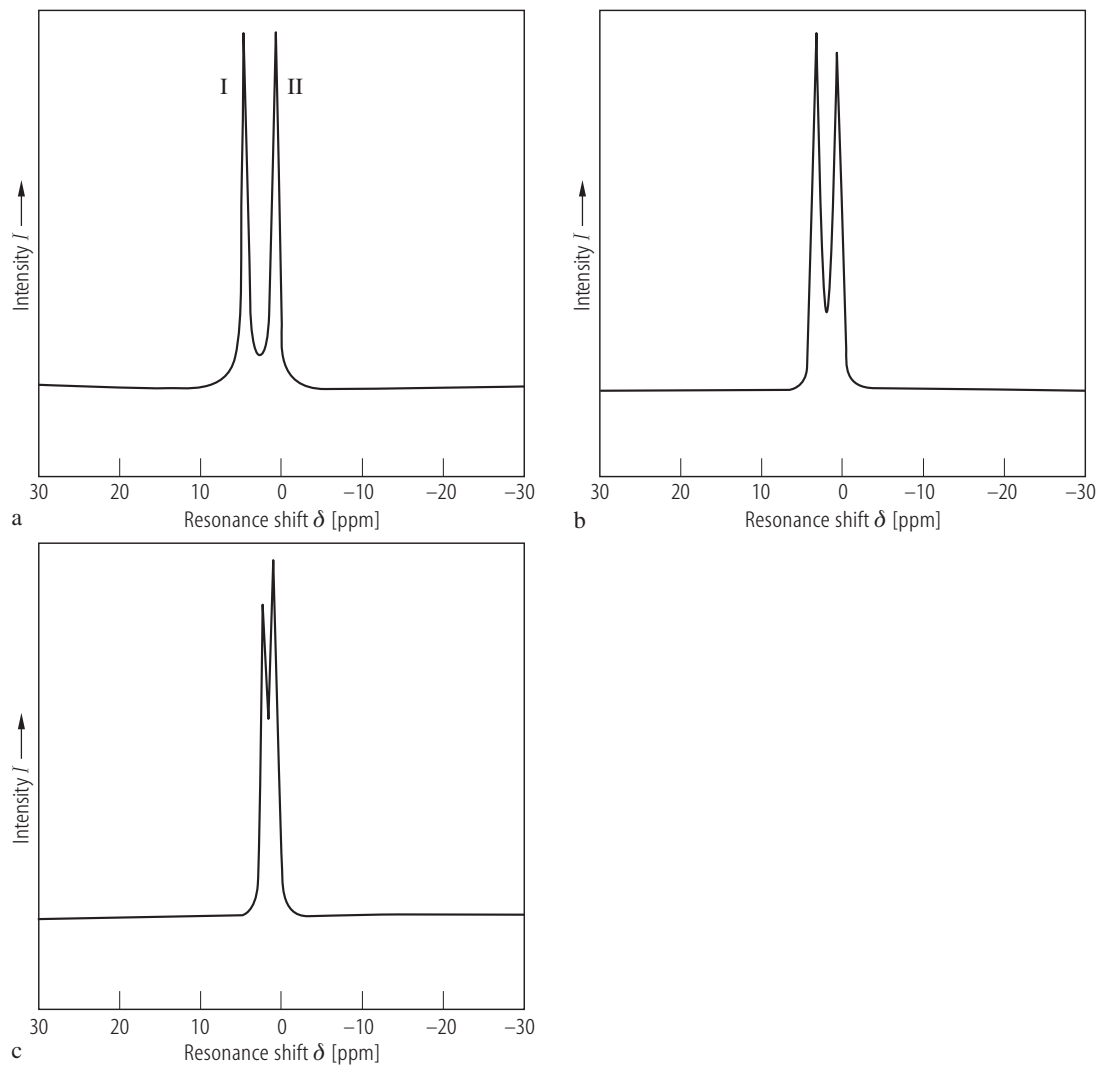


Fig. 35B-1-016. $\text{K}_{0.5}\text{Na}_{0.5}\text{TiOPO}_4$. ^{31}P MAS NMR spectrum (b) compared with the end-members of the solid solution NaTiOPO_4 (a) and KTiOPO_4 (c) [91Cre1]. $\nu_L = 80.96$ MHz. δ : resonance shift. MAS: Magic Angle Spinning.

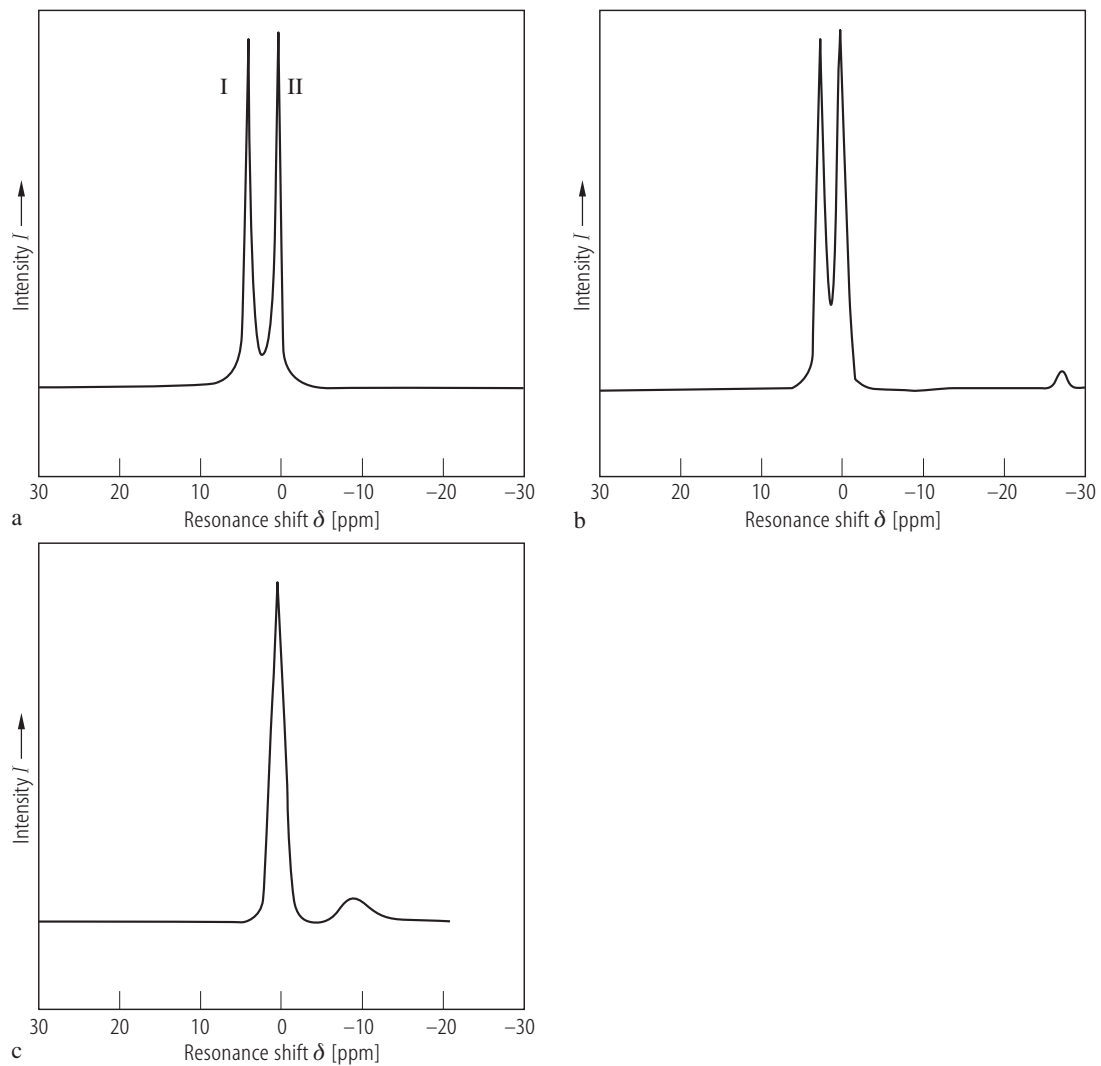


Fig. 35B-1-017. $\text{Rb}_{0.5}\text{Na}_{0.5}\text{TiOPO}_4$. ^{31}P MAS NMR spectrum (b) compared with the end-members of the solid solution NaTiOPO_4 (a) and RbTiOPO_4 (c) [91Cre1]. $\nu_L = 80.96$ MHz. δ : resonance shift. MAS: Magic Angle Spinning.