2000 structure

structure (solids and liquids)

D 2000 19 - 010 A Powder Neutron Diffraction Investigation of the Two Rhombohedral NASICON Analogues: γ -Na₃Fe₂(PO₄)₃ and Li₃Fe₂(PO₄)₃. — Na₃Fe₂(PO₄)₃ is prepared by crystallization in a flux of sodium phosphates and Fe₂O₃. Ion exchange in a concentrated LiNO₃ solution gives Li₃Fe₂(PO₄)₃. The crystal data for γ -Na₃Fe₂(PO₄)₃ and Li₃Fe₂(PO₄)₃ are reported for the first time. The γ -form of Na₃Fe₂(PO₄)₃ crystallizes in the rhombohedral space group R $\bar{3}$ c and Li₃Fe₂(PO₄)₃ in the rhombohedral space group R $\bar{3}$. — (MASQUELIER, C.; WURM, C.; RODRIGUEZ-CARVAJAL, J.; GAUBICHER, J.; NAZAR, L.; Chem. Mater. 12 (2000) 2, 525-532; Lab. Phys. Solides, CNRS, Univ. Paris-Sud, F-91405 Orsay, Fr.; EN)

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