## The niobium phosphate bronze $\beta$ -K2Na2- xNb8P5O34, second form of the first member of the series (K3Nb6P4O26) n KNb2PO8

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## Description

A new niobium phosphate bronze  $\beta$ -K 2 Na 2- x Nb 8 P 5 O 34 has been isolated. Its structure was solved by single crystal X-ray diffraction for x= 0.27. It crystallizes in the space group P 4 m 2 with a= 10.612 (1) and c= 6.384 (1) Å. This phase is the second form of the first member of the series (K 3 Nb 6 P 4 O 26) n KNb 2 PO 8. The structural relationships with the other members of this series and especially with K 7 Nb 14 P 9 O 60 (n= 2) are discussed.