

Table 7, From Marjorie D. Medrano, Howard T. Evans Jr., Hans-Rudolf Wenk, and David Z. Piper
Phosphovanadylite: A new vanadium phosphate mineral with a zeolite-type structureBond angles in [P₂V₄O₁₆] group

Around V: Around P:

O(1)-V-O(2) 100.4 (1.4) O(1)-P-O(1) 109(2) x2

-O(3) 90.6(1.5) -O(1) 110(2) x4

-O(3) 156.0(1.8)

-O(3) 79.8(1.2)

-O(1) 92.3(1.8)

O(2)-V-O(3) 102.6(1.9)x2

-O(3) 179.7(1.3)

-O(1) 100.4(1.4)

O(3)-V-O(3) 77.4(1.1)

-O(3) 77.2(1.6) x2

-O(1) 156.0(1.8)

-O(1) 90.6(1.5)

-O(1) 79.8(1.2)

Displacement ellipsoid parameters for V,P:

Atom U11 U22 U33 U12 U13 U23

V 0.017(5) =U11 0.025(4) -0.005(10.005(6)=U13

P 0.020(12) 0.022(7)0.025(9) 0. 0. 0.