

Crystal Data: Hexagonal. *Point Group:* 6/m 2/m 2/m. As grains to 20 μm or lamellae to 100 μm in corundum.

Physical Properties: *Cleavage:* n.d. *Tenacity:* n.d. *Fracture:* n.d. Hardness = 6.5 (synthetic) D(meas.) = n.d. D(calc.) = 4.762 (synthetic)

Optical Properties: Opaque. *Color:* Silvery gray (synthetic). *Streak:* n.d. *Luster:* Metallic. *Optical Class:* n.d.

Cell Data: *Space Group:* $P6_3/mcm$. $a = 7.30(10)$ $c = 5.09(10)$ $Z = 1$

X-Ray Diffraction Pattern: Calculated pattern.

2.16 (100), 2.09 (80), 2.11 (39), 2.39 (31), 1.38 (19), 2.36 (17), 1.48 (17)

Chemistry:	(1)	(2)
Si	21.67	26.04
P	6.24	
Ti	66.39	73.96
V	1.37	
Cr	2.20	
Mn	0.97	
Fe	1.17	
Total	100.01	100.00

(1) Cr-11 orebody, Luobusa ophiolite, ~200 km east southeast of Lhasa, Kangjinla District, Tibet, China; EDS analysis; corresponds to $(\text{Ti}_{0.93}\text{Cr}_{0.03}\text{Mn}_{0.01}\text{Fe}_{0.01}\text{V}_{0.02})_{10}(\text{Si}_{0.79}\text{P}_{0.21})_{6.51}$. (2) Ti_{10}S_6 .

Occurrence: In podiform chromitite, perhaps by crystallization of a ternary Ti-Si-P melt during cooling.

Association: Badengzhuite, zhiqinite, a K-bearing dmisteinbergite-like mineral, corundum (spheroids); deltalumite, jingsuiite, osbornite-khambaraevite, a K-bearing dmisteinbergite-like mineral (lamellar intergrowth), corundum.

Distribution: From the Cr-11 orebody, Luobusa ophiolite, ~200 km east southeast of Lhasa, Kangjinla District, Tibet, China.

Name: Honors Bai *Wenji* (1935-2019), Research Professor, Institute of Geology, Chinese Academy of Geological Sciences, for his research on suture zone ophiolite chromitites in China, including Dongqiao, Hegenshan and Sartuohai, and the description of seven new mineral species.

Type Material: Geological Museum of China, Beijing, People's Republic of China (M16104).

References: (1) Xiong, F., X. Xu, E. Mugnaioli, M. Gemmi, R. Wirth, Y. Yang, and E.S. Grew (in Press) Wenjiite, $\text{Ti}_{10}(\text{Si,P},\square)_7$, and kangjinlaite, $\text{Ti}_{11}\text{Si}_{10}$, new minerals in the ternary Ti-P-Si system from the Luobusa ophiolite, Tibet, China. *Amer. Mineral.* (2) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2021) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 61. *Eur. J. Mineral.*, 33, 161-162.