

Crystal Data: Hexagonal. *Point Group:* 6/m 2/m 2/m. As hexagonal crystals tabular on {00*1} and modified by minor {10*0} to 0.3 mm.

Physical Properties: *Cleavage:* Good on {00*1} and {10*0}. *Fracture:* n.d. *Tenacity:* Brittle. Hardness = 5-6 D(meas.) = n.d. D(calc.) = 6.52

Optical Properties: Transparent. *Color:* Light green. *Streak:* White. *Luster:* Vitreous to adamantine.

Optical Class: Uniaxial (+). *n*(calc.) = 2.13

Cell Data: *Space Group:* P6/mmm. *a* = 7.2952(5) *c* = 3.7711(3) *Z* = 1

X-ray Powder Pattern: Near Nanyang village, Huaping County, Panzhihua-Xichang region, China. 3.161 (100), 2.413 (40), 6.261 (36), 3.727 (30), 1.820 (15), 1.577 (15), 2.610 (10)

Chemistry:	(1)
K ₂ O	5.55
Al ₂ O ₃	2.52
WO ₃	91.16
<u>TeO₂</u>	<u>0.59</u>
Total	99.82

(1) Near Nanyang village, Huaping County, Panzhihua-Xichang region, China; average electron microprobe analysis; corresponds to K_{0.80}(W_{2.68}Al_{0.34}Te_{0.03})Σ=3.05O₉.

Occurrence: In a biotite-quartz monzonite pluton near the contact zone with gabbro and nearby quartz-vein-type Au mineralization. Formed by metasomatic reaction of high-temperature fluids rich in W and Te with potassium feldspar in the monzonite.

Association: Tewite, scheelite, alkali feldspar, biotite, clinoamphibole, ilmenite, zircon, zoisite, tourmaline, monazite-(Ce), allanite-(Ce), tellurite.

Distribution: From near Nanyang village, Huaping County, Panzhihua-Xichang region, on the border between Yunnan and Sichuan Provinces, China.

Name: For the *Wumu* River.

Type Material: Geological Museum of China, Beijing, China (M13782).

References: (1) Xue, Y., G. Li, and Y. Xie (2020) Wumuite (KAl_{0.33}W_{2.67}O₉) - a new mineral with an HTB-type structure from the Panzhihua-Xichang region in China. *Eur. J. Mineral.*, 32(5), 483-494. (2) (2021) *Amer. Mineral.*, 106, 1361-1362 (abs. ref. 1).