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Crystal Data: Cubic. Point Group: $4/m \ \overline{3} \ 2/m$. Very rarely as octahedra, to 160 μ m; commonly microcrystalline or granular, in honeycomb and crustlike aggregates.

Physical Properties: Hardness = ~ 3 D(meas.) = 6.04 D(calc.) = 7.89 Weakly magnetic.

Optical Properties: Transparent. Color: Red to brownish red; in reflected light, yellowish brown or greenish yellow. Streak: Yellow. Luster: Resinous, strong. Optical Class: Isotropic; may show weak anisotropism. n = 2.262-2.315

Cell Data: Space Group: Fd3m. a = 10.3594(6) Z = 8

X-ray Powder Pattern: Jixian, China.

2.982 (10), 1.833 (8), 1.562 (7), 2.585 (6), 5.97 (5), 1.189 (5), 1.159 (5)

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	(1)	(2)
WO_3	50.39	50.13
MoO_3	0.01	
Fe_2O_3	6.53	
FeO	0.71	8.86
CuO	0.27	trace
PbO	38.72	40.15
MgO	0.20	
$\mathrm{H_2O^+}$	3.68	
Total	100.51	99.14

(1) Jixian, China; after deduction of wulfenite, corresponds to $(Pb_{1.14}Fe_{0.07}^{2+}Cu_{0.02})_{\Sigma=1.23}$ $(W_{1.43}Fe_{0.54}^{3+}Mg_{0.03})_{\Sigma=2.00}[O_{6.00}(OH)_{0.72}]_{\Sigma=6.72} \bullet 0.98H_2O.$ (2) Do.; by electron microprobe, total Fe as FeO.

Occurrence: In the oxidized zone of hypothermal to mesothermal tungsten-bearing quartz veins peripheral to a quartz monzonite stock.

Association: Bismuthinite, quartz, wolframite, cassiterite, pyrite, chalcopyrite, scheelite, wulfenite, stolzite, silver, copper.

Distribution: In the Pan-shan stock, Jixian, Hebei Province, China.

Name: For the locality at Jixian, China.

Type Material: The Geological Museum, State Bureau of Geology, [Beijing], China.

References: (1) Liu Jianchang (1979) Jixianite $Pb(W, Fe^{3+})_2(O, OH)_7$ – a new tungsten mineral. Acta Geol. Sinica, 53, 45–49 (in Chinese with English abs.). (2) (1979) Amer. Mineral., 64, 1330 (abs. ref. 1).