

Crystal Data: Monoclinic. *Point Group:* 2/m. As micrometric aggregates to 0.35 mm.

Physical Properties: *Cleavage:* None. *Fracture:* Uneven. *Tenacity:* Brittle.
Hardness = Soft. D(meas.) = n.d. D(calc.) = 5.57

Optical Properties: Translucent. *Color:* Gray, in reflected light with no internal reflections.
Streak: Dark green. *Luster:* Vitreous. Weak anisotropy, bireflectance and reflection pleochroism.
R₁-R₂: (470 nm) 7.0-7.5, (546) 7.1-7.3, (589) 6.1-6.2, (650) 4.4-5.0

Cell Data: *Space Group:* C2/c. *a* = 12.72(4) *b* = 5.15(1) *c* = 11.82(3) *β* = 99.2(3)^o
Z = 4

X-ray Powder Pattern: Zhongshangou gold deposit, Hebei Province, China.
4.758 (w), 3.240 (w), 2.928 (m), 2.820 (w), 2.155 (w), 1.985 (w), 1.599 (w)

Chemistry:	(1)
ZnO	24.57
PbO	1.64
MgO	0.24
TeO ₂	71.90
Total	98.89

(1) Zhongshangou gold deposit, Hebei Province, China; electron microprobe analysis, minor FeO and SeO₂; corresponding to (Zn_{1.97}Pb_{0.05}Mg_{0.04}Fe_{0.02})_{Σ=2.08}(Te_{2.95}Se_{0.01})_{Σ=2.96}O_{8.00}.

Occurrence: A secondary mineral in an oxidized Te- and Au-bearing quartz vein.

Association: Occurs as a rim on, or a replacement of, calaverite, contains blebs of gold, sphalerite.

Distribution: Zhongshangou gold deposit, Chongli County, Hebei Province, People's Republic of China.

Name: As the zinc-dominant analogue of *spiroffite*.

Type Material: Geological Museum of China, Beijing, People's Republic of China; M10442.

References: (1) Zhang, Pei-Hua, Jin-Chu Zhu, Zhen-Hua Zhao, Xiang-Ping Gu, and Jin-Fu Lin (2004) Zincospiroffite, a new tellurite mineral species from the Zhongshangou gold deposit, Hebei Province, People's Republic of China. *Can. Mineral.*, 42, 763-768. (2) (2005) *Amer. Mineral.*, 90, 521 (abs. ref. 1).