Wuyanzhiite

Crystal Data: Tetragonal.  Point Group: 422.

Physical Properties: Cleavage: Tenacity: Fracture:
Hardness =  D(meas.) =  D(calc.) =

Optical Properties: Color: Streak: Luster:
Optical Class:

Cell Data: Space Group: $P4_{1}2_{1}2_{1}$.  $a = 4.0008(1)$  $c = 11.2671(9)$

X-Ray Diffraction Pattern: Bofang mine, ~40 km south of Hengyang City, Hunan Province, China. 2.746 (100), 2.304 (97), 1.998 (62), 1.967 (29), 2.262 (28), 1.704 (28), 1.887 (26)

Chemistry:

Polymorphism & Series: A dimorph of chalcocite.

Mineral Group:

Occurrence:

Association:

Distribution: From the Bofang copper mine (-65 m level), ~40 km south of Hengyang City, Hunan Province, People’s Republic of China.

Name:

Type Material: Geological Museum of China, Beijing, People’s Republic of China (M13712).