Zincobriartite $Cu_2(Zn, Fe)(Ge, Ga)S_4$

Crystal Data: Tetragonal. *Point Group*: $\bar{4}$ 2*m*.

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

Optical Properties: *Color*: *Streak*: n.d. *Luster*: *Optical Class*:

Cell Data: *Space Group*: $I\bar{4}$ 2*m*. *a* = 5.3433(4) *c* =10.5350(11)

X-Ray Diffraction Pattern: Kipushi mine, Katanga, Democratic Republic of Congo. 3.056 (100), 1.869 (35), 1.605 (17), 1.594 (10), 1.214 (6), 1.087 (6), 2.660 (5)

Chemistry:

Mineral Group:

Occurrence:

Association:

Distribution: From the Kipushi mine (formerly the Prince Léopold mine), Katanga, Democratic Republic of Congo.

Name: Prefix, *zinco*, indicates the Zn-analogue of *briartite*.

Type Material: Natural History Museum, London, England (BM 1967,271).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 30. New minerals and nomenclature modifications approved in 2015 and 2016. Mineral. Mag., 80, 203.