

Achyrophanite



Crystal Data: Orthorhombic. *Point Group:* 222.

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

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

Cell Data: *Space Group:* $P222_1$. $a = 6.5824(2)$ $b = 13.2488(4)$ $c = 10.7613(3)$

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.
2.814 (100), 5.615 (59), 2.852 (43), 4.174 (42), 3.148 (33), 3.669 (31), 2.689 (29), 2.237 (28)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence:

Association:

Distribution: From the Arsenatnaya fumarole, Second scoria cone, Northern Breakthrough of the Great Tolbachik Fissure Eruption, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5029/1).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2018) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 43. New minerals and nomenclature modifications approved in 2018. *Mineral. Mag.*, 82(3), 783.