

Crystal Data: Tetragonal. *Point Group:* 4mm.

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

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

Cell Data: *Space Group:* *P4bm.* *a* = 14.5957(2) *c* = 8.3433(2)

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia.
2.747 (100), 3.180 (61), 5.156 (47), 8.32 (44), 2.709 (36), 3.246 (34), 2.580 (29)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence: A sublimate in active volcanic fumaroles.

Association:

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

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5031/1).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2017) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 38. New minerals and nomenclature modifications approved in 2017. *Mineral. Mag.*, 81(4), 1038.