

Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m 2/m.

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

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

Cell Data: *Space Group:* *Pbcn.* $a = 5.3223(1)$ $b = 14.1255(3)$ $c = 12.0047(3)$

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.
4.001 (100), 2.642 (68), 3.479 (56), 3.041 (45), 2.657 (44), 2.613 (36), 3.527 (31), 2.998 (29)

Chemistry:

Polymorphism & Series:

Mineral Group: The arsenate analogue of moraskoite.

Occurrence:

Association:

Distribution From the Arsenatnaya fumarole, Second scoria cone of the 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 (5418/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2019) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 52. New minerals and nomenclature modifications approved in 2019. *Mineral. Mag.*, 83, 890.