Arsenudinaite $NaMg_4(AsO_4)_3$

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

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

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

Cell Data: *Space Group:* $I\bar{4}\,2d$. $a = 6.8022(2)$ $c = 19.1843(6)$

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.
2.775 (100), 3.007 (46), 3.341 (29), 1.698 (27), 4.657 (26), 4.300 (24), 2.750 (17), 2.663 (17)

Chemistry:

Polymorphism & Series:

Mineral Group:

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 (5238/1).

References: (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2018) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 45. New minerals and nomenclature modifications approved in 2018. Mineral. Mag., 82(5), 1231.