Polyarsite $Na_7CaMgCu_2(AsO_4)_4F_2Cl$

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

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

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

Cell Data: *Space Group: I*2/*m*. $a = 8.4323(4)$ $b = 10.0974(4)$ $c = 10.7099(6)$ $\beta = 90.822(4)°$

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.
2.757 (100), 5.357 (98), 3.127 (68), 2.783 (61), 2.679 (61), 3.304 (49), 4.218 (48), 2.704(54)

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 (5417/1).

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, 889.