

Magnesianhatertite

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:* C2/c. *a* = 12.310(1) *b* = 13.002(1) *c* = 6.7211(5) β = 113.823(4)°

X-Ray Diffraction Pattern: Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia.
2.837 (100), 2.792 (57), 3.221 (55), 2.648 (42), 3.635 (41), 6.50 (35), 3.086 (27)

Chemistry:

Mineral Group: Alluaudite group.

Occurrence: A sublimate around an active volcanic fumarole.

Association:

Distribution: At 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 (4912/1).

References: (1) Hålenius, U, F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 34. New minerals and nomenclature modifications approved in 2016. *Mineral. Mag.*, 80, 1319.