

## Magnesiohatertite



**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.  $a = 12.310(1)$   $b = 13.002(1)$   $c = 6.7211(5)$   $\beta = 113.823(4)^\circ$

**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.