

Crystal Data: Hexagonal. *Point Group:* 6/m.

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

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

Cell Data: *Space Group:* P6₃/m. *a* = 9.5777(7) *c* = 6.9659(5)

X-Ray Diffraction Pattern: Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia. 2.869 (100), 2.776 (58), 2.823 (35), 3.488 (33), 3.958 (27), 2.674 (25), 1.871 (23), 1.980 (19)

Chemistry:

Polymorphism & Series:

Mineral Group: Apatite supergroup.

Occurrence:

Association:

Distribution From the Southern fumarole field, Mountain 1004, Tolbachik volcano, Kamchatka Peninsula, Far-Eastern Region, Russia (holotype) and Nahal Morag canyon, Hatrurim Basin, Israel (cotype).

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5202/1 Tolbachik and 5202/2 Nahal Morag).

References: (1) Hålenius U., F. Hatert, M. Pasero, and S.J. Mills (2018) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 44. New minerals and nomenclature modifications approved in 2018. *Mineral. Mag.*, 82(4), 1019.