Nickolayite FeMoP

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

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

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

Cell Data: *Space Group: Pnma*. a = 5.9519(5) b = 3.7070(3) c = 6.8465(6)

X-Ray Diffraction Pattern: Daba-Siwaqa complex, Transjordan Plateau, Jordan.
2.298 (100), 2.181 (89), 2.113 (26), 3.238 (21), 1.838 (18), 1.927 (14), 1.388 (13), 2.226 (9)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence: In pyrometamorphic rock.

Association:

Distribution From the Daba-Siwaqa complex, Transjordan Plateau, Hatrurim Formation, Jordan.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5290/1).

References: (1) Miyawaki R., F. Hatert, M. Pasero, and S.J. Mills (2019) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 47. New minerals and nomenclature modifications approved in 2018 and 2019. Mineral. Mag., 83(1), 146.