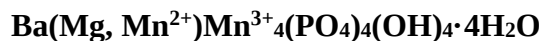


Mengeite

Crystal Data: Triclinic. *Point Group:* $\bar{1}$.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*

Hardness = D(meas.) = D(calc.) =

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

Optical Class:

Cell Data: *Space Group:* $P\bar{1}$. $a = 5.426(1)$ $b = 5.427(1)$ $c = 16.387(3)$ $\alpha = 87.63(3)^\circ$

$\beta = 99.08(3)^\circ$ $\gamma = 110.63(3)^\circ$

X-Ray Diffraction Pattern: Spring Creek copper mine, South Australia, Australia.

16.126 (100), 4.418 (44), 2.796 (25), 3.246 (14), 5.106 (12), 3.145 (12), 2.680 (12), 3.191 (9)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence:

Association:

Distribution: From the Spring Creek copper mine, 10 km south of Wilmington, South Australia, Australia.

Name:

Type Material: South Australian Museum, Adelaide, South Australia, Australia (G34744).

References: (1) Miyawaki R., 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), 1020.