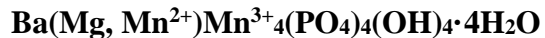


Mengeite

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.